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Compounds with 8 to 12 Carbon Atoms (Supplement to  
Subvolume B and E)

Bauhofer, C.; Peters, G.; Weigner, P.

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# Landolt-Börnstein Indexes of Organic Compounds

Subvolumes A-I

By V. Vill, C. Bauhofer, G. Peters, H. Sajus, P. Weigner,  
LCI-Publisher and Chemistry Department of the University of Hamburg

All printed index material has been used to build up the comprehensive

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From this database a CD-ROM and two online versions were derived. The first is attached to each of the printed subvolumes and the latter are offered for free use at the following addresses:

Scidex Database online with graphical structure search on <http://lb.chemie.uni-hamburg.de/>

Or the easy to use html version on <http://lb.chemie.uni-hamburg.de/static/>

Landolt-Börnstein

Numerical Data and Functional Relationships in Science and Technology

*New Series* / Editor in Chief: W. Martienssen

# Index of Organic Compounds

Subvolume H (Supplement to Subvolumes B and E)  
Compounds with 8 to 12 Carbon Atoms

Editor: V. Vill

Authors: C. Bauhofer, G. Peters, P. Weigner

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# Preface

This index is a guide to organic compounds which have material constants of general interest described in the Landolt-Börnstein / New Series. In total in the subvolumes G, H and I, **15775** compounds with **16123** references to numerical data are recorded. Compiled are volumes containing nuclear magnetic resonance (NMR) data for different isotopes (chemical shifts and coupling constants). All new compounds are given with the drawing of the chemical structure, the molecular formula, chemical names, the Chemical Abstracts registration numbers (CAS-RN) where known and references to Landolt-Börnstein citations. Compounds already contained in subvolumes A to F are listed without structure drawing.

This index is the first step to a full electronisation of all Landolt-Börnstein volumes that have been published to date. The goals are, to create a material knowledge system, to provide a means of accessing all the data in electronic form and to be able to search effectively specific data. Parallel to the electronisation, the data will be indexed, similar to these volumes.

The referenced volumes contain in most cases only structure data, in some cases even nothing beyond the simple molecular formula. Missing information, such as chemical names, or CAS-numbers, was supplemented, and compared with the original reference if necessary. Afterwards this data was analysed and matched with each other and with the index-volumes A through F, to yield a list of individual compounds without duplicates. This work is non-trivial especially in cases where no, or no exact chemical structure was supplied in the indexed volumes. Furthermore, about 17,000 structure drawings had to be prepared for all compounds, including the exact stereo information. All this data assembly has been performed with the new, object-oriented database technology SciDex.

The index is prepared in two different forms: a printed book and an electronic database. Up to now, many users prefer printed books to electronic media. Books can show a large amount of information in high printing quality with one single glance. They are documents which survive all changes of computer systems and operating systems. Of course, the electronic version gives more functionality to the data, e.g. substructure search and structure comparison methods. Further, the database is a comprehensive compilation of ALL compounds listed in the sub-volumes A through I, containing by now over 42,000 compounds, and more than 75,000 LB-references, all of which lead directly by hyperlink to the full texts of the original LB-volumes.

Scientific data is not only numbers and words, but also rules, principles and complex data like molecular structures, spectra and reaction conditions, which have multiple relations between each other. Scientific information with the purpose of documentation can be handled with conventional relational databases. Scientific information with the function of a knowledge base with analysis and prediction methods require new methods, i.e. object oriented methods. 'Objects' are scientific data, connected with scientific rules and the relations to other data. A search for a particular information is an operator working on the documented knowledge: find, interpolate, deduce or calculate the requested data

Some electronic media of chemical information are already established, e.g. Chemical Abstracts Service, Beilstein, SpecInfo, Brookhaven etc. The Landolt-Börnstein series contains numerical, evaluated data relevant for chemistry and physics, which is not limited by publication years, or restricted to single measurement spots. Thus, the electronic Landolt-Börnstein will yield a novel, powerful tool for quantitative structure/activity relationships (QSAR, QSPR) as well as a reference, analysis and prediction instrument for physical chemistry.

Only evaluated data can be used as basis for a knowledge base. The critical work of the several, individual specialists as authors of the Landolt-Börnstein is here continued by the careful compilation and analysis of the full list of organic compounds. This could only be done by the decisive and competent help of Dr. Lenka Weignerová and Dr. Hermann Langen. The Landolt-Börnstein team, and in particular Dr. Rainer Poerschke, supports this project.

# Editor

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## Survey to the Index of Organic Compounds

Compounds with 1 to 7 Carbon Atoms                      Subvolume A

Compounds with 8 to 12 Carbon Atoms                      Subvolume B

Compounds with 13 to 100 Carbon Atoms                      Subvolume C

Compounds with 1 to 7 Carbon Atoms                      Subvolume D  
(Supplement to Subvolume A)

Compounds with 8 to 12 Carbon Atoms                      Subvolume E  
(Supplement to Subvolume B)

Compounds with 13 to 100 Carbon Atoms                      Subvolume F  
(Supplement to Subvolume C)

Compounds with 1 to 7 Carbon Atoms                      Subvolume G  
(Supplement to Subvolume A and D)

**Compounds with 8 to 12 Carbon Atoms                      Subvolume H**  
**(Supplement to Subvolume B and E)**

Compounds with 13 to 162 Carbon Atoms                      Subvolume I  
(Supplement to Subvolume C and F)

C13 – C25      printed

C13 – C162      in electronic version

**Landolt-Börnstein**  
**Index of Organic Compounds**  
**SUBVOLUME H**  
**Compounds with 8 to 12 Carbon Atoms**

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## Introduction

### 1 General remarks

#### 1.1 Selection of data

##### 1.1.1 Resources

The organic compounds compiled in this index have been extracted from the following volumes of the Landolt-Börnstein.

LB Volume	Data Description
III/35 A	Nuclear Magnetic Resonance (NMR) Data for Boron-11 and Phosphorus-31
III/35 B	Nuclear Magnetic Resonance (NMR) Data for Fluorine-19 and Nitrogen-15
III/35 C2	Nuclear Magnetic Resonance (NMR) Data for Hydrogen-1: Heterocycles
III/35 C4	Nuclear Magnetic Resonance (NMR) Data for Hydrogen-1: Inorganic and Organometallic compounds
III/35 E	Nuclear Magnetic Resonance (NMR) Data for Oxygen-17

##### 1.1.2 Compounds

All compounds with at least one carbon atom are selected for this index. The database in the electronic version contains additionally the purely inorganic compounds from the volumes listed above.

#### 1.2 Drawing of structures

##### 1.2.1 General remarks

The orientation of the structures has been optimized for space saving, to reduce the amount of total pages needed as much as possible. The bond-length of the structures was normalized where possible. In case of large structures, the bond-length was proportionally decreased, so that the compound would fit into the table cell.

To prevent loss of information the extra large structure drawings are displayed separately in the Appendix.

All structures are stored in the electronic version with their complete connectivity suitable for substructure-search, but for display one can choose to abbreviate drawings, so as to make the structures easier readable. The printed version contains in all cases these abbreviated structures. In cases where there was ambiguity about the identity of compounds, NO structure drawing has been made, and instead the „descriptive line-formula“ as cited in the LB-sources has been used.

##### 1.2.2 Stereo Chemistry

Sometimes a compound is not identified uniquely in the primary literature, when the compound is described with partially defined stereo-chemistry. This is often the case when double bonds are involved that can be *trans* or *cis* configured, or when the compound contains asymmetric carbon atoms, or any combination of asymmetric carbon atoms and asymmetric substituted double bonds.

Not uniquely identified structures are treated as follows: The first example shows an excerpt where a compound exists in unspecified configuration, and in *trans*-configuration or *cis*-configuration, therewith resulting in three entries in the table. The second example shows a compound that is clearly defined as racemate and as R- or S-enantiomer, respectively. In contrast to Index Subvolumes A-C all compounds with unspecified absolute configuration are displayed as racemates since it seems unlikely that materials with well-defined but unknown configuration should have been referenced.

<b>630</b>	C <sub>2</sub> H <sub>2</sub> BrF 124.95 460-11-7		1-bromo-2-fluoro-ethene (E/Z)-1-bromo-2-fluoro-ethene	III/38b 2.1:1022
<b>631</b>	C <sub>2</sub> H <sub>2</sub> BrF 124.95 2366-32-7		<i>trans</i> -1-bromo-2-fluoro-ethylene	III/38b 2.1:1023
<b>632</b>	C <sub>2</sub> H <sub>2</sub> BrF 124.95 2366-31-6		<i>cis</i> -1-bromo-2-fluoro-ethylene	III/38b 2.1:1024

Example 1: unspecified double bond, *trans* and *cis*-configuration, respectively

<b>3557</b>	C <sub>5</sub> H <sub>11</sub> I 198.05 637-97-8		(±)-2-iodo-pentane	IV/16 2.1.7:828
<b>3558</b>	C <sub>5</sub> H <sub>11</sub> I 198.05 29882-59-5		(S)-2-iodo-pentane	III/38b 2.1:2647
<b>3559</b>	C <sub>5</sub> H <sub>11</sub> I 198.05 29117-45-1		(R)-2-iodo-pentane	III/38b 2.1:2646

Example 2: racemate, R and S-enantiomer, respectively

Compounds with more than one unspecified stereo-bond will usually be displayed with a wavy line in place of the wedge or dashed bond that specifies exact stereo-chemistry.

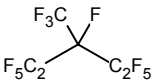
Since the data are excerpted from multiple volumes, sometimes inconsistencies in the data arose, i.e. mismatches between compound name, formula, and/or structure drawing occurred. The editor chose in most of these cases the chemical structure drawing as the most representative information. Often, even the original source (occasionally down to the primary literature) has been consulted.

### 1.2.3 Methods of abbreviation of drawings

Alkyl chains: Alkyl chains of C<sub>2</sub> and longer are always abbreviated as a textstring, like C<sub>3</sub>H<sub>7</sub> as in the example. Methyl groups are in most cases displayed as CH<sub>3</sub>, except at quaternary centers, to facilitate the reading of highly branched structures. The following example shows two CH<sub>3</sub>-groups to the right, while the two groups in the middle are connected to a quaternary center and only displayed as an "empty" line.

<b>8124</b>	C <sub>9</sub> H <sub>20</sub> 128.26 16747-28-7		2,3,3-trimethylhexane	III/38b 2.1:5323; IV/8b 2.3:67; IV/16 2.1.7:1745; IV/20a 2.2:534
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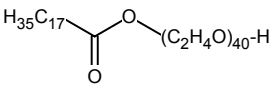
Persubstituted chains: Alkyl chains that are persubstituted with a particular element, like Fluorine, or Deuterium are shortened just like in the above example.  $\text{CF}_3$  or  $\text{CD}_3$  will for obvious reasons never be omitted like  $\text{CH}_3$ .

<b>3772</b>	$\text{C}_6\text{F}_{14}$ 338.04 865-71-4		perfluoro-3-methylpentane; undecafluoro-3-(trifluoromethyl)pentane	<b>IV/20a 4.4:1039</b>
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Special groups: For example cyano groups, nitro groups as well as carbonic acids will be abbreviated in the drawing.

<b>1379</b>	$\text{C}_3\text{H}_4\text{N}_2\text{O}_3$ 116.08 50434-02-1		nitric acid 2-cyano-ethyl ester	<b>III/38b 2.1:1286</b>
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Poly-ethoxy chains: will be identified and shortened as well.

<b>16821</b>	$\text{C}_{98}\text{H}_{196}\text{O}_{42}$ 2046.63 9004-99-3		myrj 52	<b>IV/16 2.1.7:2704</b>
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## 1.3 Sort criteria

### 1.3.1 Sort criteria for index by molecular formula and chemical structures

The compounds are sorted according to the following criteria, in descending precedence.

1. Molecular formula
2. Ring count
3. Ring size
  - a) Ring size of smallest ring
  - b) Size of other rings
4. Number of branches in a compound (linearity)
5. Number of substituents on rings
6. Substituent count at highest substituted atom
7. Stereochemistry

### 1.3.2 Sort criteria for index by Chemical Abstracts registration numbers (CAS-RN)

This index is simply sorted by the numerical value of the CAS-RN and points for each CAS-RN to the running number in the index by molecular formula. Out-dated, deleted CAS-RN (= CAS-DR) have been included in this index, and are marked with a star \*.

## 1.4 Reference description

The reference shortcut can be used to directly localize the compounds in the LB volumes. Because every volume contains an individual way of naming subvolumes, chapters and tables, slightly differing ways of descriptions were applied. In general, an entry will look like <group>/<volume><subvolume> <chapter>.<section>:<compound>, e.g. IV/20a 3.1:53 → the compound can be found in volume IV/20a in chapter 3, section 1, and has the running number 53 in that chapter or volume.

## 1.5 Table structure

In order to facilitate the search for a particular compound in the large amount of data, the carbon count of the first molecule in the current page will be displayed at the top of each page, and the table will show a dividing horizontal bar between two compounds with differing carbon count.

### 1.5.1 Index of new compounds by molecular formula and chemical structures

"New compounds" in this context are compounds which have not already appeared in Subvolumes A through F. The table is organized in five columns as follows:

Column	Contents
1	Running number of the compound
2	Molecular formula; Molecular mass [g/mol]; CAS-RN
3	Chemical structure drawing
4	Compound name(s)
5	Landolt-Börnstein references

### 1.5.2 Index of already registered compounds

The table is organized in four columns as follows:

Column	Contents
1	Running number of the previously registered compound and subvolume of first appearance
2	Molecular formula; CAS-RN
3	Compound name
4	Landolt-Börnstein references

### 1.5.3 Index sorted by Chemical Abstracts registry numbers

This index combines both entries of actual (current) CAS-RN and deleted (old) Registry Numbers that have been removed from the Chemical Abstracts System, but remain visible as CAS-DR numbers. The CAS-DR numbers will not be shown in the compound index, since in some cases there are very many deleted numbers for one compound.

The table is organized in two columns as follows:

Column	Contents
1	CAS-RN or CAS-RN *
2	Volume and running number

Out-dated, deleted CAS-RN (= CAS-DR) are displayed with a star \*.

### 1.5.4 Appendix

To prevent loss of data and enhance legibility the large structures were drawn in the Appendix. For these cases, the main index by chemical formula and structure includes only a reference to the Appendix instead of a drawing. Chemical structure drawings are identified according to their running number.

## 1.6 Exact volume titles and references

### **Volume III/35: Nuclear Magnetic Resonance (NMR) Data**

Editor: R.R. Gupta and M.D. Lechner

#### **Subvolume a: Chemical Shifts and Coupling Constants for Boron-11 and Phosphorus-31**

Authors: R.R. Gupta; M. Jain; P. Pardasani; R.T. Pardasani; A. Pelter

1997. VIII, 242 pages. ISBN 3-540-60366-2

### **Volume III/35: Nuclear Magnetic Resonance (NMR) Data**

Editor: R.R. Gupta and M.D. Lechner

#### **Subvolume b: Chemical Shifts and Coupling Constants for Fluorine-19 and Nitrogen-15**

Authors: M. Balasubramanian; R.R. Gupta; M. Jain; S. Perumal

1998. VII, 242 pages. ISBN 3-540-63275-1

### **Volume III/35: Nuclear Magnetic Resonance (NMR) Data**

Editor: R.R. Gupta and M.D. Lechner

#### **Subvolume c: Chemical Shifts and Coupling Constants for Hydrogen-1, Part 2: Heterocycles**

Authors: R.R. Gupta; M. Jain

2003. VIII, 310 pages. ISBN 3-540-41057-0

### **Volume III/35: Nuclear Magnetic Resonance (NMR) Data**

Editor: R.R. Gupta and M.D. Lechner

#### **Subvolume c: Chemical Shifts and Coupling Constants for Hydrogen-1, Part 4: Inorganic and Organometallic Compounds**

Authors: R.R. Gupta; N. Platzner

2001. VII, 299 pages. ISBN 3-540-41059-7

### **Volume III/35: Nuclear Magnetic Resonance (NMR) Data**

Editor: R.R. Gupta and M.D. Lechner

#### **Subvolume e: Chemical Shifts for Oxygen-17**

Authors: H. Duddeck; G. Toth; A. Simon

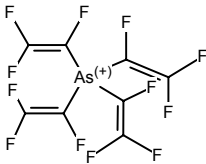
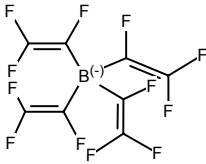
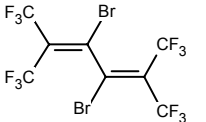
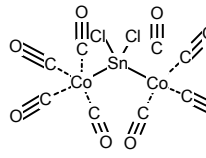
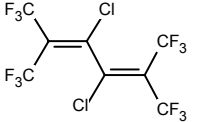
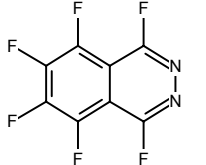
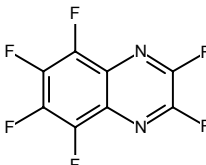
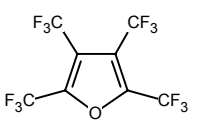
2002, VII, 320 pages. ISBN 3-540-42501-2

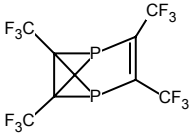
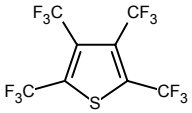
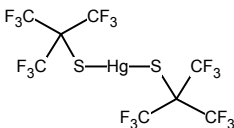
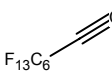
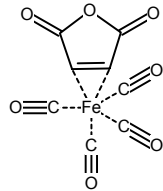
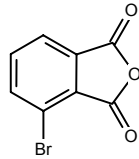
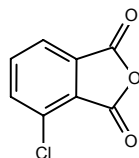
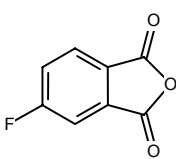
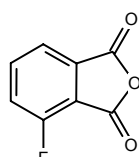
## Data

## 2 Index sorted by molecular formula and chemical structures

## Compounds with 8 to 12 carbon atoms

## 2.1 New Compounds

30823	C <sub>8</sub> AsF <sub>12</sub> 398.99		Tetrakis-trifluorovinyl-λ <sup>5</sup> -arsane	III/35b 2.2:455
30824	C <sub>8</sub> BF <sub>12</sub> 334.88		Tetrakis-trifluorovinyl-borane	III/35b 2.2:456
30825	C <sub>8</sub> Br <sub>2</sub> F <sub>12</sub> 483.87		3,4-Dibromo-1,1,1,6,6,6-hexafluoro-2,5-bis-trifluoromethyl-hexa-2,4-diene	III/35b 2.2:457
30826	C <sub>8</sub> Cl <sub>2</sub> Co <sub>2</sub> O <sub>8</sub> Sn 531.54 15492-24-7		Cobalt, (dichlorostannylene)bis[tetracarbonyl]-; Cobalt, octacarbonyl[μ-(dichlorostannylene)]di-; Dichlorobis(tetracarbonylcobalt)tin; Stannane, dichloro-, cobalt complex	III/35e 2.2.7:4572
30827	C <sub>8</sub> Cl <sub>2</sub> F <sub>12</sub> 394.97		3,4-Dichloro-1,1,1,6,6,6-hexafluoro-2,5-bis-trifluoromethyl-hexa-2,4-diene	III/35b 2.2:458
30828	C <sub>8</sub> F <sub>6</sub> N <sub>2</sub> 238.09		1,4,5,6,7,8-Hexafluoro-phthalazine	III/35b 3.2:839
30829	C <sub>8</sub> F <sub>6</sub> N <sub>2</sub> 238.09		2,3,5,6,7,8-Hexafluoro-quinoxaline	III/35b 3.2:840
30830	C <sub>8</sub> F <sub>12</sub> O 340.07		2,3,4,5-Tetrakis-trifluoromethyl-furan	III/35b 2.2:459

<b>30831</b>	$C_8F_{12}P_2$ 386.01		1,3,4,6-Tetrakis-trifluoromethyl-2,5-diphospha-tricyclo[3.1.0.0 <sup>2,6</sup> ]hex-3-ene	III/35b 2.2:460
<b>30832</b>	$C_8F_{12}S$ 356.13		2,3,4,5-Tetrakis-trifluoromethyl-thiophene	III/35b 2.2:461
<b>30833</b>	$C_8F_{18}HgS_2$ 702.78		bis(Tris(trifluoromethyl)-methylthio)mercury	III/35b 2.2:462
<b>30834</b>	$C_8HF_{13}$ 344.07		3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-oct-1-yne	III/35b 2.2:463
<b>30835</b>	$C_8H_2FeO_7$ 265.94		$C_8H_2FeO_7$	III/35c4 2.2:707
<b>30836</b>	$C_8H_3BCo_2O_8$ 355.78		$BH_3Co_2(CO)_8$	III/35a 2.2:744
<b>30837</b>	$C_8H_3BrO_3$ 227.01 82-73-5		4-Bromo-isobenzofuran-1,3-dione; Phthalic anhydride, 3-bromo-	III/35e 2.2.1:582
<b>30838</b>	$C_8H_3ClO_3$ 182.56 117-21-5		4-Chloro-isobenzofuran-1,3-dione; 1,3-Isobenzofurandione, 4-chloro-	III/35e 2.2.1:583
<b>30839</b>	$C_8H_3FO_3$ 166.11 319-03-9		5-Fluoro-isobenzofuran-1,3-dione; 1,3-Isobenzofurandione, 5-fluoro-	III/35b 2.2:464
<b>30840</b>	$C_8H_3FO_3$ 166.11 652-39-1		4-Fluoro-isobenzofuran-1,3-dione; 3-fluorophthalic anhydride	III/35e 2.2.1:584

<b>30841</b>	C <sub>8</sub> H <sub>3</sub> F <sub>2</sub> N <sub>5</sub> O <sub>3</sub> 255.14		4-Azido-6-diazo-2,3-difluoro-5-oxo-cyclohexa-1,3-dienecarboxylic acid methyl ester	III/35b 2.2:465
<b>30842</b>	C <sub>8</sub> H <sub>3</sub> F <sub>3</sub> IN <sub>3</sub> O <sub>2</sub> 357.03		4-Azido-2,3,5-trifluoro-6-iodo-benzoic acid methyl ester	III/35b 2.2:466
<b>30843</b>	C <sub>8</sub> H <sub>3</sub> F <sub>6</sub> NO <sub>2</sub> 259.11		3,4-Bis-trifluoromethyl-pyridine-2-carboxylic acid	III/35b 2.2:467; III/35c2 2.2:356
<b>30844</b>	C <sub>8</sub> H <sub>3</sub> F <sub>13</sub> O 362.09		(R,S)-2-Tridecafluorohexyl-oxirane	III/35b 2.2:468
<b>30845</b>	C <sub>8</sub> H <sub>3</sub> IO <sub>3</sub> 274.01		4-Iodo-isobenzofuran-1,3-dione	III/35e 2.2.1:585
<b>30846</b>	C <sub>8</sub> H <sub>3</sub> NO <sub>5</sub> 193.11		4-Nitro-isobenzofuran-1,3-dione	III/35e 2.2.1:586
<b>30847</b>	C <sub>8</sub> H <sub>4</sub> BrNO 210.03		4-Cyano-benzoyl bromide	III/35e 2.2.1:587
<b>30848</b>	C <sub>8</sub> H <sub>4</sub> BrNO <sub>2</sub> S 258.09 17402-78-7		3-Bromo-2-nitro-benzo[b]thiophene; 2-nitro-3-bromobenzo(b)thiophene	III/35c2 2.2:357
<b>30849</b>	C <sub>8</sub> H <sub>4</sub> ClF <sub>3</sub> O 208.56 321-37-9		1-(4-Chloro-phenyl)-2,2,2-trifluoro-ethanone; Ethanone, 1-(4-chlorophenyl)-2,2,2-trifluoro-; 2,2,2-Trifluoro-4'-chloroacetophenone	III/35e 2.2.1:590
<b>30850</b>	C <sub>8</sub> H <sub>4</sub> ClF <sub>3</sub> O 208.56 312-94-7		Benzoyl chloride, 2-(trifluoromethyl)-; 2-Trifluoromethyl-benzoyl chloride	III/35e 2.2.1:588



**2.2 Compounds registered in Subvolumes B or E**

<b>19273</b> Vol. E	C <sub>8</sub> H <sub>5</sub> F <sub>13</sub> O 647-42-7	3,3,4,4,5,5,6,6,7,7,8,8,8- Tridecafluorooctan-1-ol	III/35e 2.2.2:2656
<b>19274</b> Vol. E	C <sub>8</sub> H <sub>5</sub> NO 613-90-1	Phenylglyoxalo-nitrile	III/35e 2.2.1:619
<b>19275</b> Vol. E	C <sub>8</sub> H <sub>5</sub> NO <sub>2</sub> 85-41-6	Phthalimide	III/35e 2.2.1:625
<b>19277</b> Vol. E	C <sub>8</sub> H <sub>6</sub> BrFO 403-30-5	1-(4-Bromo-phenyl)-2-fluoro-ethanone	III/35b 2.2:481
<b>19278</b> Vol. E	C <sub>8</sub> H <sub>6</sub> BrF <sub>3</sub>	1-Bromo-4-(2,2,2-trifluoro-ethyl)- benzene	III/35b 2.2:482
<b>19281</b> Vol. E	C <sub>8</sub> H <sub>6</sub> Br <sub>2</sub> F <sub>2</sub>	(2,2-Dibromo-1,1-difluoro-ethyl)- benzene	III/35b 2.2:483
<b>19283</b> Vol. E	C <sub>8</sub> H <sub>6</sub> ClF <sub>2</sub> NO <sub>2</sub>	1-(2-Chloro-2,2-difluoro-ethyl)-4-nitro- benzene	III/35b 2.2:486
<b>19284</b> Vol. E	C <sub>8</sub> H <sub>6</sub> ClF <sub>3</sub>	1-Chloro-3-(2,2,2-trifluoro-ethyl)- benzene	III/35b 2.2:488
<b>19285</b> Vol. E	C <sub>8</sub> H <sub>6</sub> ClF <sub>3</sub> O	(R,S)-1-(4-Chloro-phenyl)-2,2,2- trifluoro-ethanol	III/35b 2.2:490
<b>19286</b> Vol. E	C <sub>8</sub> H <sub>6</sub> ClF <sub>3</sub> S	(R,S)-(2-Chloro-1,2,2-trifluoro- ethylsulfanyl)-benzene	III/35b 2.2:492
<b>19288</b> Vol. E	C <sub>8</sub> H <sub>6</sub> F <sub>2</sub> O	Difluoro-phenyl-acetaldehyde	III/35b 2.2:501
<b>19289</b> Vol. E	C <sub>8</sub> H <sub>6</sub> F <sub>2</sub> O 395-01-7	2,2-Difluoro-1-phenyl-ethanone	III/35b 2.2:499
<b>19290</b> Vol. E	C <sub>8</sub> H <sub>6</sub> F <sub>3</sub> NO 23516-79-2	1-(4-Amino-phenyl)-2,2,2-trifluoro- ethanone	III/35e 2.2.1:636
<b>19292</b> Vol. E	C <sub>8</sub> H <sub>6</sub> F <sub>3</sub> NO <sub>2</sub>	1-Nitro-4-(2,2,2-trifluoro-ethyl)- benzene	III/35b 2.2:506
<b>19293</b> Vol. E	C <sub>8</sub> H <sub>6</sub> F <sub>3</sub> NO <sub>3</sub>	1-Nitro-4-(2,2,2-trifluoro-ethoxy)- benzene	III/35b 2.2:507
<b>19305</b> Vol. E	C <sub>8</sub> H <sub>6</sub> O <sub>2</sub> 553-86-6	3H-Benzofuran-2-one	III/35e 2.2.1:644
<b>19307</b> Vol. E	C <sub>8</sub> H <sub>6</sub> O <sub>2</sub> 87-41-2	3H-Isobenzofuran-1-one	III/35e 2.2.1:643
<b>19318</b> Vol. E	C <sub>8</sub> H <sub>7</sub> ClO <sub>2</sub> 1126-46-1	4-Chloro-benzoic acid methyl ester	III/35e 2.2.1:663
<b>19321</b> Vol. E	C <sub>8</sub> H <sub>7</sub> FO <sub>2</sub>	Benzoic acid fluoromethyl ester	III/35b 2.2:519
<b>19322</b> Vol. E	C <sub>8</sub> H <sub>7</sub> FO <sub>3</sub>	3-Fluoro-4-hydroxy-5-methoxy- benzaldehyde	III/35b 2.2:523
<b>19329</b> Vol. E	C <sub>8</sub> H <sub>7</sub> F <sub>5</sub> O	1-Cyclobutylidene-3,3,4,4,4- pentafluoro-butan-2-one	III/35b 2.2:534
<b>19333</b> Vol. E	C <sub>8</sub> H <sub>7</sub> NO 3173-56-6	Benzyl isocyanate	III/35e 2.2.1:685
<b>19336</b> Vol. E	C <sub>8</sub> H <sub>7</sub> NO <sub>2</sub>	(2-Nitro-vinyl)-benzene	III/35e 2.2.3:3490

<b>19356</b> Vol. E	C <sub>8</sub> H <sub>8</sub> F <sub>2</sub>	(2,2-Difluoro-ethyl)-benzene	III/35b 2.2:542
<b>19363</b> Vol. E	C <sub>8</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> 614-22-2	Benzoyl-urea	III/35b 3.2:875; III/35e 2.2.1:710
<b>19369</b> Vol. E	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub> 137-18-8	<i>p</i> -Xyloquinone	III/35e 2.2.1:722
<b>19374</b> Vol. E	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub> 586-38-9	3-Methoxy benzoic acid	III/35e 2.2.1:738
<b>19381</b> Vol. E	C <sub>8</sub> H <sub>9</sub> ClO <sub>2</sub> 7051-16-3	1-Chloro-3,5-dimethoxy-benzene	III/35e 2.2.2:2697
<b>19388</b> Vol. E	C <sub>8</sub> H <sub>9</sub> FS	(R,S)-(1-Fluoro-ethylsulfanyl)-benzene	III/35b 2.2:561
<b>19390</b> Vol. E	C <sub>8</sub> H <sub>9</sub> F <sub>3</sub> O <sub>2</sub>	Trifluoro-acetic acid cyclohex-1-enyl ester	III/35b 2.2:563
<b>19396</b> Vol. E	C <sub>8</sub> H <sub>9</sub> N 496-15-1	2,3-Dihydro-1H-indole	III/35b 3.2:889
<b>19398</b> Vol. E	C <sub>8</sub> H <sub>9</sub> NO 99-92-3	Acetophenone, 4'-amino-	III/35b 3.2:894; III/35e 2.2.1:753
<b>19401</b> Vol. E	C <sub>8</sub> H <sub>9</sub> NO 613-93-4	N-Methyl-benzamide	III/35b 3.2:892, 896; III/35e 2.2.1:750
<b>19406</b> Vol. E	C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub> 83-41-0	1,2-Dimethyl-3-nitrobenzene	III/35e 2.2.3:3508
<b>19407</b> Vol. E	C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub> 2439-77-2	2-Methoxy-benzamide	III/35e 2.2.1:767
<b>19418</b> Vol. E	C <sub>8</sub> H <sub>10</sub> F <sub>2</sub> O <sub>3</sub>	3,3-Difluoro-2-oxo-hex-5-enoic acid ethyl ester	III/35b 2.2:573
<b>19423</b> Vol. E	C <sub>8</sub> H <sub>10</sub> N <sub>2</sub> O 138-89-6	N,N-Dimethyl-4-nitroso-aniline	III/35b 3.2:921; III/35e 2.2.3:3517
<b>19448</b> Vol. E	C <sub>8</sub> H <sub>10</sub> Se 17774-38-8	Ethyl-phenyl-selenide	III/35c4 2.2:744
<b>19452</b> Vol. E	C <sub>8</sub> H <sub>11</sub> FO	2-Fluoro-4,4-dimethyl-cyclohex-2-enone	III/35b 2.2:578
<b>19456</b> Vol. E	C <sub>8</sub> H <sub>11</sub> F <sub>3</sub> O <sub>3</sub>	(R,S)-4-Oxo-2-trifluoromethyl-pentanoic acid ethyl ester	III/35b 2.2:593
<b>19457</b> Vol. E	C <sub>8</sub> H <sub>11</sub> F <sub>5</sub> O <sub>2</sub> 127258-54-2	1,1-Difluoro-4-methyl-1-(2,2,2-trifluoro-ethoxy)-pentan-3-one	III/35b 2.2:595
<b>19478</b> Vol. E	C <sub>8</sub> H <sub>12</sub> BrF	5-Bromo-6-fluoro-cyclooctene	III/35b 2.2:596
<b>19503</b> Vol. E	C <sub>8</sub> H <sub>12</sub> O 19740-90-0	5,6-Epoxy- <i>cis</i> -cyclooctene	III/35e 2.2.2:2725
<b>19514</b> Vol. E	C <sub>8</sub> H <sub>12</sub> O <sub>2</sub> 5323-87-5	3-Ethoxy-cyclohex-2-enone	III/35e 2.2.1:797
<b>19572</b> Vol. E	C <sub>8</sub> H <sub>14</sub> F <sub>2</sub> O <sub>2</sub>	2,2-Difluoro-octanoic acid	III/35b 2.2:637
<b>19728</b> Vol. E	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> 5340-78-3	Ethyl 3,3-dimethylbutanoate	III/35e 2.2.1:856
<b>19804</b> Vol. E	C <sub>8</sub> H <sub>18</sub> O 628-55-7	Diisobutyl ether	III/35e 2.2.2:2780
<b>19807</b> Vol. E	C <sub>8</sub> H <sub>18</sub> O 6163-66-2	2- <i>tert</i> -Butoxy-2-methyl-propane	III/35e 2.2.2:2781

<b>19881</b> Vol. E	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub> S	2-Methyl-2-(2-methyl-propane-2-sulfonyl)-propane	III/35e 2.2.5:4215
<b>19903</b> Vol. E	C <sub>8</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub> S 2832-49-7	Tetraethyl-sulfamide	III/35b 3.2:1030
<b>19909</b> Vol. E	C <sub>8</sub> H <sub>23</sub> ClO <sub>2</sub> Si <sub>3</sub> 17201-87-5	3-Chloromethyl-1,1,1,3,5,5,5-heptamethyl-trisiloxane	III/35e 2.2.6:4452
<b>19933</b> Vol. E	C <sub>9</sub> H <sub>5</sub> F <sub>2</sub> NO <sub>2</sub>	4-Cyano-benzoic acid difluoromethyl ester	III/35b 2.2:675
<b>19934</b> Vol. E	C <sub>9</sub> H <sub>5</sub> F <sub>13</sub> O 38565-52-5	2-(1H,1H-Tridecafluoro-heptyl)-oxirane	III/35e 2.2.2:2791
<b>19943</b> Vol. E	C <sub>9</sub> H <sub>6</sub> F <sub>4</sub>	(Z)-(2,3,3,3-Tetrafluoro-propenyl)-benzene	III/35b 2.2:690
<b>19959</b> Vol. E	C <sub>9</sub> H <sub>7</sub> F <sub>3</sub> O 394-59-2	(Trifluoromethyl)- <i>p</i> -tolyl ketone	III/35e 2.2.1:897
<b>19983</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>2</sub>	7,7-Difluoro-3,4-dimethyl-bicyclo[4.1.0]hepta-1,3,5-triene	III/35b 2.2:720
<b>19984</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>2</sub>	(1-Difluoromethyl-vinyl)-benzene	III/35b 2.2:718
<b>19986</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>2</sub> O 703-17-3	2,2-Difluoro-1-phenyl-propan-1-one	III/35b 2.2:721
<b>19988</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>2</sub> O <sub>2</sub>	2,2-Difluoro-1-(4-methoxy-phenyl)-ethanone	III/35b 2.2:729
<b>19989</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>2</sub> O <sub>2</sub>	2,2-Difluoro-3-phenyl-propionic acid	III/35b 2.2:726
<b>19990</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>2</sub> O <sub>2</sub>	Phenyl-acetic acid difluoromethyl ester	III/35b 2.2:727
<b>19994</b> Vol. E	C <sub>9</sub> H <sub>8</sub> F <sub>4</sub> OS	(R,S)-1-Methoxy-4-(1,2,2,2-tetrafluoro-ethylsulfanyl)-benzene	III/35b 2.2:732
<b>19996</b> Vol. E	C <sub>9</sub> H <sub>8</sub> FeO <sub>3</sub>	1,3-Cyclohexadienyl-iron-tricarbonyl	III/35c4 2.2:851
<b>20021</b> Vol. E	C <sub>9</sub> H <sub>9</sub> ClF <sub>2</sub>	1-(2-Chloro-2,2-difluoro-ethyl)-4-methyl-benzene	III/35b 2.2:739
<b>20036</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FO 21120-36-5	(R,S)-2-Fluoro-1-phenyl-propan-1-one	III/35b 2.2:745
<b>20038</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FO	1-Fluoro-3-phenyl-propan-2-one	III/35b 2.2:743
<b>20039</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FOS	(R,S)-1-Fluoro-1-phenylsulfanyl-propan-2-one	III/35b 2.2:748
<b>20040</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FO <sub>2</sub>	2-Fluoro-1-(4-methoxy-phenyl)-ethanone	III/35b 2.2:751
<b>20042</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FO <sub>3</sub>	2-Fluoro-3-hydroxy-benzoic acid ethyl ester	III/35b 2.2:753
<b>20043</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FO <sub>3</sub>	(1-Fluoro-4-oxo-cyclohexa-2,5-dienyl)-acetic acid methyl ester	III/35b 2.2:754
<b>20045</b> Vol. E	C <sub>9</sub> H <sub>9</sub> FO <sub>3</sub> S	(R,S)-1-Benzenesulfonyl-1-fluoro-propan-2-one	III/35b 2.2:755
<b>20046</b> Vol. E	C <sub>9</sub> H <sub>9</sub> F <sub>3</sub>	1-Methyl-3-(2,2,2-trifluoro-ethyl)-benzene	III/35b 2.2:757
<b>20049</b> Vol. E	C <sub>9</sub> H <sub>9</sub> F <sub>3</sub> OS	(R,S)-(2,2,2-Trifluoro-1-methoxy-ethylsulfanyl)-benzene	III/35b 2.2:762

<b>20080</b> Vol. E	C <sub>9</sub> H <sub>10</sub> FI	(R,S)-(1-Fluoro-2-iodo-1-methyl-ethyl)-benzene	III/35b 2.2:769
<b>20081</b> Vol. E	C <sub>9</sub> H <sub>10</sub> FNO <sub>2</sub>	Benzyl-carbamic acid fluoromethyl ester	III/35b 2.2:772
<b>20082</b> Vol. E	C <sub>9</sub> H <sub>10</sub> F <sub>2</sub>	2,4-Difluoro-1,3,5-trimethyl-benzene	III/35b 2.2:776
<b>20086</b> Vol. E	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> 1197-19-9	4-Dimethylamino-benzonitrile	III/35b 3.2:1069
<b>20102</b> Vol. E	C <sub>9</sub> H <sub>10</sub> OS 1484-17-9	Thiobenzoic acid S-ethyl ester	III/35e 2.2.1:962
<b>20106</b> Vol. E	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> 99-36-5	3-Methylbenzoic acid methyl ester	III/35e 2.2.1:974
<b>20108</b> Vol. E	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> 603-79-2	2,3-Dimethyl-benzoic acid	III/35e 2.2.1:976
<b>20114</b> Vol. E	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> 632-46-2	2,6-Dimethyl-benzoic acid	III/35e 2.2.1:977
<b>20122</b> Vol. E	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub> 121-98-2	4-Methoxybenzoic acid methyl ester	III/35e 2.2.1:986
<b>20133</b> Vol. E	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub> 613-75-2	2-Furanyl-methanediol diacetate	III/35e 2.2.1:996
<b>20147</b> Vol. E	C <sub>9</sub> H <sub>11</sub> F <sub>3</sub> O <sub>3</sub>	(R,S)-4-Oxo-2-trifluoromethyl-hex-5-enoic acid ethyl ester	III/35b 2.2:800
<b>20153</b> Vol. E	C <sub>9</sub> H <sub>11</sub> NO 588-46-5	N-Benzyl-acetamide	III/35b 3.2:1091
<b>20154</b> Vol. E	C <sub>9</sub> H <sub>11</sub> NO 103-89-9	N-(4-Methyl-phenyl)acetamide	III/35b 3.2:1098; III/35e 2.2.1:998
<b>20155</b> Vol. E	C <sub>9</sub> H <sub>11</sub> NO 120-66-1	N-(2-Methyl-phenyl)acetamide	III/35e 2.2.1:997
<b>20210</b> Vol. E	C <sub>9</sub> H <sub>12</sub> Se 22351-63-9	Phenyl-propyl-selenide	III/35c4 2.2:883
<b>20222</b> Vol. E	C <sub>9</sub> H <sub>13</sub> N 88-05-1	2,4,6-Trimethyl-aniline	III/35b 3.2:1122
<b>20298</b> Vol. E	C <sub>9</sub> H <sub>15</sub> FO <sub>3</sub>	(R,S)-2-Fluoro-4,4-dimethyl-3-oxo-pentanoic acid ethyl ester	III/35b 2.2:833
<b>20322</b> Vol. E	C <sub>9</sub> H <sub>16</sub> FN	Cyclohexyl-(2-fluoro-1-methyl-ethylidene)-amine	III/35b 2.2:836
<b>20323</b> Vol. E	C <sub>9</sub> H <sub>16</sub> F <sub>2</sub> O	(R,S)-3,3-Difluoro-non-1-en-4-ol	III/35b 2.2:838
<b>20324</b> Vol. E	C <sub>9</sub> H <sub>16</sub> F <sub>2</sub> O <sub>2</sub>	2,2-Difluoro-octanoic acid methyl ester	III/35b 2.2:840
<b>20325</b> Vol. E	C <sub>9</sub> H <sub>16</sub> F <sub>2</sub> O <sub>3</sub>	(R,S)-2,2-Difluoro-3-hydroxy-4,4-dimethyl-pentanoic acid ethyl ester	III/35b 2.2:842
<b>20663</b> Vol. E	C <sub>9</sub> H <sub>27</sub> BO <sub>3</sub> Si <sub>3</sub> 4325-85-3	Boric acid tris-(trimethylsilyl) ester	III/35e 2.2.6:4458
<b>20672</b> Vol. E	C <sub>10</sub> H <sub>5</sub> F <sub>5</sub> O	Pentafluorobut-1-ynyloxy-benzene	III/35b 2.2:863
<b>20681</b> Vol. E	C <sub>10</sub> H <sub>6</sub> F <sub>5</sub> N	(R,S)-2-Pentafluorophenyl-butyronitrile	III/35b 2.2:868
<b>20685</b> Vol. E	C <sub>10</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub> 605-71-0	1,5-Dinitro-naphthalene	III/35e 2.2.3:3573

<b>20686</b> Vol. E	C <sub>10</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub> 602-38-0	1,8-Dinitro-naphthalene	III/35b 3.2:1172; III/35e 2.2.3:3574
<b>20687</b> Vol. E	C <sub>10</sub> H <sub>6</sub> O <sub>2</sub> 130-15-4	1,4-Naphthaquinone	III/35e 2.2.1:1068
<b>20688</b> Vol. E	C <sub>10</sub> H <sub>6</sub> O <sub>4</sub> 475-38-7	5,8-Dihydroxy-[1,4]naphthoquinone	III/35e 2.2.1:1073
<b>20695</b> Vol. E	C <sub>10</sub> H <sub>7</sub> F <sub>5</sub> O <sub>2</sub>	3-Pentafluorophenyl-propionic acid methyl ester	III/35b 2.2:877
<b>20706</b> Vol. E	C <sub>10</sub> H <sub>8</sub> F <sub>2</sub> O	2,2-Difluoro-3,4-dihydro-2 <i>H</i> -naphthalen-1-one	III/35b 2.2:889
<b>20707</b> Vol. E	C <sub>10</sub> H <sub>8</sub> F <sub>2</sub> O	4,4-Difluoro-1-phenyl-but-3-en-1-one	III/35b 2.2:887
<b>20710</b> Vol. E	C <sub>10</sub> H <sub>8</sub> F <sub>6</sub> O <sub>3</sub>	( <i>R,S</i> )-4-Oxo-1-trifluoromethyl-cyclohex-2-enecarboxylic acid 2,2,2-trifluoro-ethyl ester	III/35b 2.2:897
<b>20733</b> Vol. E	C <sub>10</sub> H <sub>9</sub> FO <sub>2</sub> S	( <i>Z</i> )-2-Fluoro-3-methoxy-thioacrylic acid <i>S</i> -phenyl ester	III/35b 2.2:908
<b>20735</b> Vol. E	C <sub>10</sub> H <sub>9</sub> F <sub>3</sub>	(4,4,4-Trifluoro-but-1-enyl)-benzene	III/35b 2.2:914
<b>20736</b> Vol. E	C <sub>10</sub> H <sub>9</sub> F <sub>3</sub> N <sub>2</sub>	2-[Methyl-(2,2,2-trifluoro-ethyl)-amino]-benzonitrile	III/35b 2.2:917
<b>20739</b> Vol. E	C <sub>10</sub> H <sub>9</sub> F <sub>3</sub> O <sub>2</sub>	1-[4-(2,2,2-Trifluoro-ethoxy)-phenyl]-ethanone	III/35b 2.2:925
<b>20740</b> Vol. E	C <sub>10</sub> H <sub>9</sub> F <sub>3</sub> O <sub>2</sub> S	( <i>R,S</i> )-Acetic acid 2,2,2-trifluoro-1-phenylsulfanyl-ethyl ester	III/35b 2.2:926
<b>20741</b> Vol. E	C <sub>10</sub> H <sub>9</sub> F <sub>3</sub> O <sub>3</sub>	Acetic acid 4-(2,2,2-trifluoro-ethoxy)-phenyl ester	III/35b 2.2:928
<b>20762</b> Vol. E	C <sub>10</sub> H <sub>10</sub> ClFO <sub>2</sub> S	( <i>R,S</i> )-(4-Chloro-phenylsulfanyl)-fluoro-acetic acid ethyl ester	III/35b 2.2:933
<b>20772</b> Vol. E	C <sub>10</sub> H <sub>10</sub> F <sub>2</sub>	( <i>R,S</i> )-(E)-(3,4-Difluoro-but-1-enyl)-benzene	III/35b 2.2:936
<b>20773</b> Vol. E	C <sub>10</sub> H <sub>10</sub> F <sub>2</sub> O	( <i>R,S</i> )-2,2-Difluoro-1-phenyl-but-3-en-1-ol	III/35b 2.2:937
<b>20774</b> Vol. E	C <sub>10</sub> H <sub>10</sub> F <sub>2</sub> O <sub>2</sub>	1-(2,2-Difluoro-1-methoxy-vinyl)-4-methoxy-benzene	III/35b 2.2:940
<b>20776</b> Vol. E	C <sub>10</sub> H <sub>10</sub> F <sub>4</sub>	(1,1,2,2-Tetrafluoro-butyl)-benzene	III/35b 2.2:944
<b>20790</b> Vol. E	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub> 1009-61-6	1,4-Diacetylbenzene	III/35e 2.2.1:1131
<b>20802</b> Vol. E	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub> 24262-66-6	4-Acetoxy-benzoic acid methyl ester	III/35e 2.2.1:1142
<b>20819</b> Vol. E	C <sub>10</sub> H <sub>11</sub> F	( <i>Z</i> )-(4-Fluoro-but-3-enyl)-benzene	III/35b 2.2:951
<b>20820</b> Vol. E	C <sub>10</sub> H <sub>11</sub> FO <sub>2</sub>	( <i>R,S</i> )-Fluoro-phenyl-acetic acid ethyl ester	III/35b 2.2:962
<b>20821</b> Vol. E	C <sub>10</sub> H <sub>11</sub> FO <sub>2</sub>	1-Fluoro-3-(4-methoxy-phenyl)-propan-2-one	III/35b 2.2:961
<b>20822</b> Vol. E	C <sub>10</sub> H <sub>11</sub> FO <sub>2</sub>	( <i>R,S</i> )-Acetic acid 2-fluoro-1-phenyl-ethyl ester	III/35b 2.2:963

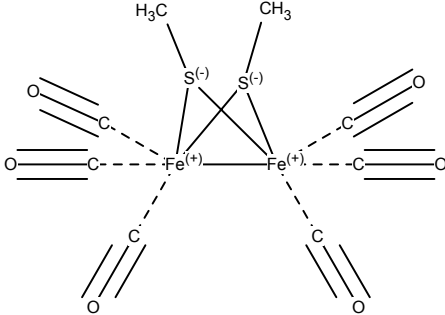
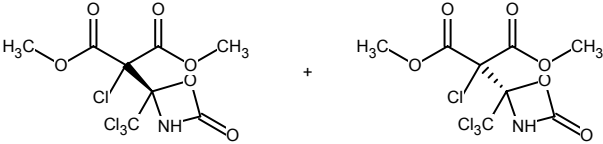
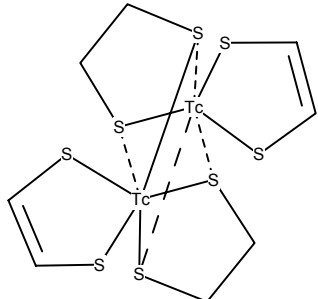
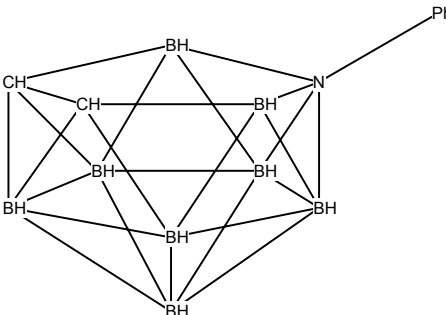
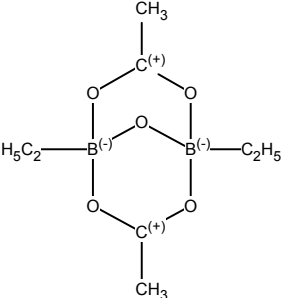
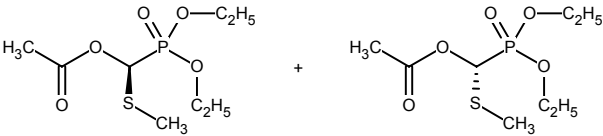
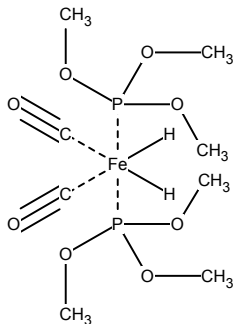
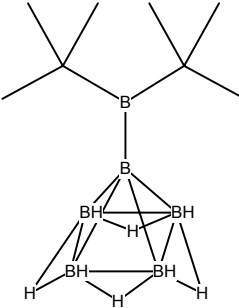
<b>20824</b> Vol. E	C <sub>10</sub> H <sub>11</sub> FO <sub>2</sub> S	(R,S)-Fluoro-phenylsulfanyl-acetic acid ethyl ester	III/35b 2.2:964, 965
<b>20825</b> Vol. E	C <sub>10</sub> H <sub>11</sub> F <sub>3</sub> O <sub>2</sub>	4,4,4-Trifluoro-1-phenyl-butane-(1S,3R)-diol	III/35b 2.2:970
<b>20826</b> Vol. E	C <sub>10</sub> H <sub>11</sub> F <sub>3</sub> O <sub>3</sub>	(R,S)-4-Oxo-2-trifluoromethyl-cyclohex-2-enecarboxylic acid ethyl ester	III/35b 2.2:972
<b>20865</b> Vol. E	C <sub>10</sub> H <sub>12</sub> F <sub>3</sub> NO	(R,S)-Methyl-phenyl-(2,2,2-trifluoro-1-methoxy-ethyl)-amine	III/35b 2.2:982
<b>20897</b> Vol. E	C <sub>10</sub> H <sub>12</sub> O <sub>2</sub> 480-63-7	2,4,6-Trimethyl-benzoic acid	III/35e 2.2.1:1174
<b>20945</b> Vol. E	C <sub>10</sub> H <sub>13</sub> F <sub>3</sub> O	6,6-Dimethyl-2-trifluoromethyl-cyclohex-1-enecarbaldehyde	III/35b 2.2:990
<b>20954</b> Vol. E	C <sub>10</sub> H <sub>13</sub> NO 2124-31-4	1-(4-Dimethylamino-phenyl)-ethanone	III/35e 2.2.1:1193
<b>20968</b> Vol. E	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub> 7291-34-1	N,N-Dimethyl-(2-methoxy-phenyl)-formamide	III/35e 2.2.2:2896
<b>21013</b> Vol. E	C <sub>10</sub> H <sub>14</sub> O <sub>2</sub> S 16823-62-4	(Butane-1-sulfonyl)-benzene	III/35e 2.2.5:4269
<b>21027</b> Vol. E	C <sub>10</sub> H <sub>14</sub> Se 28622-61-9	Butyl-phenyl-selenide	III/35c4 2.2:1036
<b>21043</b> Vol. E	C <sub>10</sub> H <sub>15</sub> NO <sub>2</sub> 120-07-0	N,N-Bis(2-hydroxyethyl)-aniline	III/35b 3.2:1265
<b>21051</b> Vol. E	C <sub>10</sub> H <sub>15</sub> O <sub>3</sub> P 1754-49-0	Phenylphosphonic acid diethyl ester	III/35e 2.2.4:3796
<b>21112</b> Vol. E	C <sub>10</sub> H <sub>17</sub> NO 6837-24-7	1-Cyclohexyl-pyrrolidin-2-one	III/35e 2.2.1:1245
<b>21218</b> Vol. E	C <sub>10</sub> H <sub>20</sub> F <sub>2</sub>	2,2-Difluoro-decane	III/35b 2.2:1029
<b>21313</b> Vol. E	C <sub>10</sub> H <sub>22</sub> O 56762-00-6	Bis(1-methylbutyl) ether	III/35e 2.2.2:2945
<b>21417</b> Vol. E	C <sub>10</sub> H <sub>24</sub> N <sub>4</sub> 295-37-4	1,4,8,11-Tetraaza-cyclotetradecane	III/35b 3.2:1323
<b>21436</b> Vol. E	C <sub>10</sub> H <sub>30</sub> O <sub>3</sub> Si <sub>4</sub> 17928-28-8	1,1,1,3,5,5-Heptamethyl-3-trimethylsilanyloxy-trisiloxane	III/35e 2.2.6:4464
<b>21447</b> Vol. E	C <sub>11</sub> H <sub>6</sub> F <sub>5</sub> NO <sub>2</sub>	(R,S)-Cyano-pentafluorophenyl-acetic acid ethyl ester	III/35b 2.2:1049
<b>21452</b> Vol. E	C <sub>11</sub> H <sub>7</sub> F <sub>3</sub> O <sub>2</sub>	(R,S)-4-Hydroxy-4-trifluoromethyl-4H-naphthalen-1-one	III/35b 2.2:1057
<b>21454</b> Vol. E	C <sub>11</sub> H <sub>7</sub> NO 86-84-0	1-Isocyanato-naphthalene	III/35e 2.2.1:1270
<b>21497</b> Vol. E	C <sub>11</sub> H <sub>11</sub> ClF <sub>2</sub> O	(Z)-(3-Chloro-2-ethoxy-3,3-difluoropropenyl)-benzene	III/35b 2.2:1089
<b>21498</b> Vol. E	C <sub>11</sub> H <sub>11</sub> ClF <sub>3</sub> NO <sub>2</sub>	(R)-2-(3-Chloro-phenylamino)-3,3,3-trifluoro-propionic acid ethyl ester	III/35b 2.2:1091
<b>21506</b> Vol. E	C <sub>11</sub> H <sub>11</sub> FO <sub>3</sub> 1479-22-7	(R,S)-2-Fluoro-3-oxo-3-phenyl-propionic acid ethyl ester	III/35b 2.2:1095, 1098
<b>21507</b> Vol. E	C <sub>11</sub> H <sub>11</sub> FO <sub>4</sub>	(R,S)-Benzoic acid ethoxycarbonyl-fluoro-methyl ester	III/35b 2.2:1099

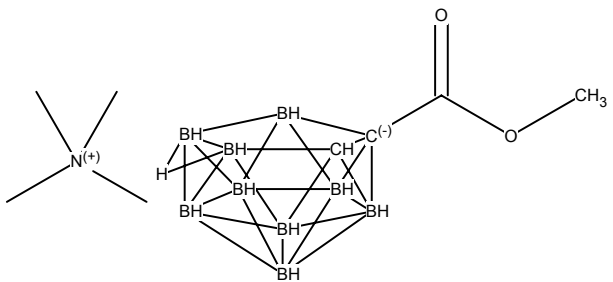
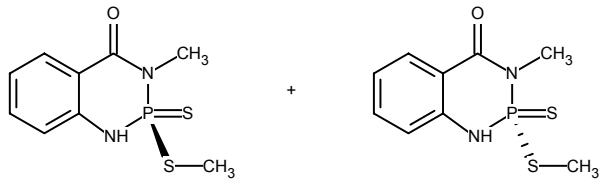
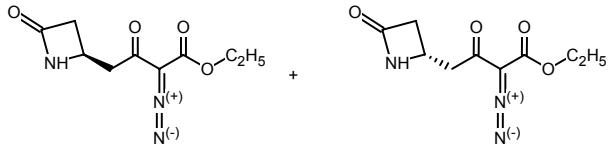
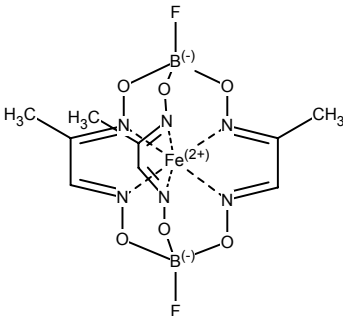
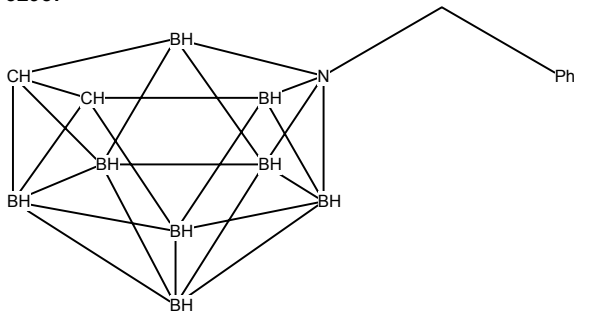
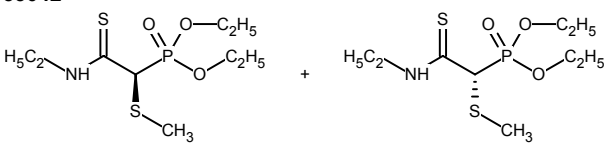
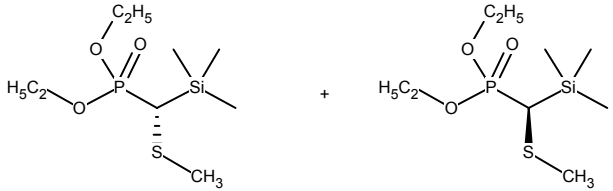
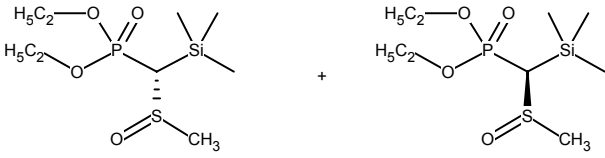
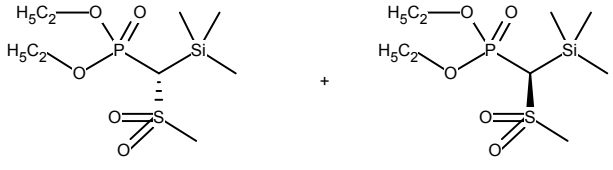
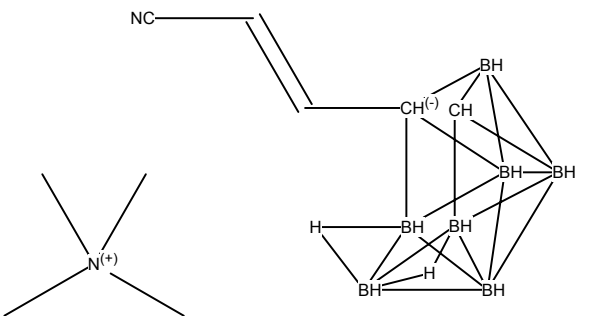
<b>21508</b> Vol. E	C <sub>11</sub> H <sub>11</sub> F <sub>3</sub> N <sub>2</sub>	2-[Ethyl-(2,2,2-trifluoro-ethyl)-amino]-benzonitrile	III/35b 2.2:1100
<b>21532</b> Vol. E	C <sub>11</sub> H <sub>12</sub> FI	(Z)-(1-Fluoro-2-iodo-pent-1-enyl)-benzene	III/35b 2.2:1110
<b>21535</b> Vol. E	C <sub>11</sub> H <sub>12</sub> F <sub>2</sub> O <sub>3</sub>	(R,S)-2,2-Difluoro-3-hydroxy-3-phenyl-propionic acid ethyl ester	III/35b 2.2:1124
<b>21538</b> Vol. E	C <sub>11</sub> H <sub>12</sub> F <sub>3</sub> NO <sub>2</sub>	(R)-3,3,3-Trifluoro-2-phenylamino-propionic acid ethyl ester	III/35b 2.2:1125
<b>21600</b> Vol. E	C <sub>11</sub> H <sub>13</sub> F	(E)-(4-Fluoro-3-methyl-but-3-enyl)-benzene	III/35b 2.2:1130
<b>21601</b> Vol. E	C <sub>11</sub> H <sub>13</sub> FO <sub>2</sub>	(R,S)-2-Fluoro-2-phenyl-propionic acid ethyl ester	III/35b 2.2:1132, 1133
<b>21603</b> Vol. E	C <sub>11</sub> H <sub>13</sub> FO <sub>2</sub> S	(R,S)-Fluoro- <i>p</i> -tolylsulfanyl-acetic acid ethyl ester	III/35b 2.2:1135
<b>21604</b> Vol. E	C <sub>11</sub> H <sub>13</sub> FO <sub>2</sub> S	(R,S)-2-Fluoro-2-phenylsulfanyl-propionic acid ethyl ester	III/35b 2.2:1137
<b>21613</b> Vol. E	C <sub>11</sub> H <sub>13</sub> NO 1201-93-0	3-Dimethylamino-1-phenyl-propenone	III/35e 2.2.1:1348
<b>21631</b> Vol. E	C <sub>11</sub> H <sub>14</sub> F <sub>3</sub> NO	(R,S)-Ethyl-phenyl-(2,2,2-trifluoro-1-methoxy-ethyl)-amine	III/35b 2.2:1150
<b>21707</b> Vol. E	C <sub>11</sub> H <sub>15</sub> FOS	(R,S)-4-Fluoro-2-methyl-3-phenylsulfanyl-butan-2-ol	III/35b 2.2:1155
<b>21832</b> Vol. E	C <sub>11</sub> H <sub>20</sub> OSi <sub>2</sub> 14920-92-4	1,1,3,3,3-Pentamethyl-1-phenyl-disiloxane	III/35e 2.2.6:4466
<b>22116</b> Vol. E	C <sub>12</sub> H <sub>8</sub> N <sub>2</sub> 230-17-1	Benzo[c]cinnoline	III/35b 3.2:1399
<b>22118</b> Vol. E	C <sub>12</sub> H <sub>6</sub> O <sub>2</sub> 262-12-4	Dibenzo[b,e][1,4]dioxin	III/35e 2.2.2:3009
<b>22127</b> Vol. E	C <sub>12</sub> H <sub>6</sub> N <sub>3</sub> O <sub>3</sub> 81944-71-0	4-Nitro-4'-hydroxyazobenzene	III/35b 3.2:1404
<b>22128</b> Vol. E	C <sub>12</sub> H <sub>6</sub> N <sub>3</sub> O <sub>4</sub> 961-68-2	(2,4-Dinitro-phenyl)-phenyl-amine	III/35e 2.2.3:3622
<b>22139</b> Vol. E	C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> 119-75-5	(2-Nitro-phenyl)-phenyl-amine	III/35e 2.2.3:3626
<b>22152</b> Vol. E	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub> 830-81-9	Acetic acid naphthalen-1-yl ester	III/35e 2.2.1:1414
<b>22153</b> Vol. E	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub> 1523-11-1	Acetic acid naphthalen-2-yl ester	III/35e 2.2.1:1415
<b>22161</b> Vol. E	C <sub>12</sub> H <sub>11</sub> F <sub>5</sub> O <sub>2</sub>	(R,S)-2-Pentafluorophenyl-butyric acid ethyl ester	III/35b 2.2:1230
<b>22164</b> Vol. E	C <sub>12</sub> H <sub>11</sub> N <sub>3</sub> 60-09-3	4-Amino-azobenzene	III/35b 3.2:1418
<b>22168</b> Vol. E	C <sub>12</sub> H <sub>12</sub> F <sub>2</sub> O	1-(2,2-Difluoro-1-methyl-3-phenyl-cyclopropyl)-ethanone	III/35b 2.2:1235
<b>22174</b> Vol. E	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> 530-50-7	1,1-Diphenyl-hydrazine	III/35b 3.2:1424
<b>22197</b> Vol. E	C <sub>12</sub> H <sub>13</sub> FO <sub>3</sub> S	(R,S)-2-Fluoro-3-oxo-2-phenylsulfanyl-butyric acid ethyl ester	III/35b 2.2:1244
<b>22198</b> Vol. E	C <sub>12</sub> H <sub>13</sub> F <sub>3</sub> N <sub>2</sub>	(R,S)-[Ethyl-(2,2,2-trifluoro-ethyl)-amino]-phenyl-acetonitrile	III/35b 2.2:1248

<b>22201</b> Vol. E	C <sub>12</sub> H <sub>13</sub> F <sub>3</sub> O <sub>2</sub>	(R,S)-6,6,6-Trifluoro-5-hydroxy-1-phenyl-hexan-3-one	<b>III/35b 2.2:1253</b>
<b>22228</b> Vol. E	C <sub>12</sub> H <sub>14</sub> F <sub>3</sub> IN <sub>2</sub> O <sub>2</sub> 127635-95-4	4-( <i>N,N'</i> -Diethyl-hydrazino)-2,3,5-trifluoro-6-iodo-benzoic acid methyl ester	<b>III/35b 2.2:1262</b>
<b>22229</b> Vol. E	C <sub>12</sub> H <sub>14</sub> F <sub>3</sub> NO <sub>2</sub>	(R)-3,3,3-Trifluoro-2- <i>p</i> -tolylamino-propionic acid ethyl ester	<b>III/35b 2.2:1263</b>
<b>22291</b> Vol. E	C <sub>12</sub> H <sub>15</sub> FO <sub>3</sub>	2R-Fluoro-3S-hydroxy-2-methyl-3-phenyl-propionic acid ethyl ester	<b>III/35b 2.2:1201</b>
<b>22296</b> Vol. E	C <sub>12</sub> H <sub>15</sub> F <sub>3</sub> O <sub>3</sub>	(R,S)-3-[5-Methyl-6-oxo-2-(2,2,2-trifluoro-ethyl)-cyclohex-1-enyl]-propionic acid	<b>III/35b 2.2:1274</b>
<b>22395</b> Vol. E	C <sub>12</sub> H <sub>18</sub> F <sub>4</sub> O <sub>4</sub>	4,4,5,5-Tetrafluoro-octanedioic acid diethyl ester	<b>III/35b 2.2:1287</b>
<b>22442</b> Vol. E	C <sub>12</sub> H <sub>18</sub> Se 63866-88-6	Hexyl-phenyl-selenide	<b>III/35c4 2.2:1337</b>
<b>22445</b> Vol. E	C <sub>12</sub> H <sub>19</sub> F <sub>3</sub> O <sub>2</sub>	(Z)-3-Trifluoromethyl-hept-2-enoic acid <i>tert</i> -butyl ester	<b>III/35b 2.2:1290</b>
<b>22451</b> Vol. E	C <sub>12</sub> H <sub>19</sub> O <sub>3</sub> P 7237-16-3	Phenyl-phosphonic acid diisopropyl ester	<b>III/35e 2.2.4:3825</b>
<b>22523</b> Vol. E	C <sub>12</sub> H <sub>23</sub> BrF <sub>2</sub>	1-Bromo-2,2-difluoro-dodecane	<b>III/35b 2.2:1308</b>
<b>22533</b> Vol. E	C <sub>12</sub> H <sub>24</sub> F <sub>2</sub>	2,2-Difluoro-dodecane	<b>III/35b 2.2:1317</b>
<b>22657</b> Vol. E	C <sub>12</sub> H <sub>27</sub> O <sub>3</sub> P 78-46-6	Butyl-phosphonic acid dibutyl ester	<b>III/35e 2.2.4:3832</b>
<b>22665</b> Vol. E	C <sub>12</sub> H <sub>28</sub> O <sub>8</sub> Si 2157-45-1	Silicic acid tetrakis-(2-methoxy-ethyl) ester	<b>III/35e 2.2.2:3066</b>
<b>22679</b> Vol. E	C <sub>12</sub> H <sub>36</sub> O <sub>4</sub> Si <sub>5</sub> 3555-47-3	1,1,1,5,5,5-Hexamethyl-3,3-bis-(trimethylsilanyloxy)-trisiloxane	<b>III/35e 2.2.6:4476</b>



## Appendix: Large Drawings

<p><b>30984</b></p> 	<p><b>31040</b></p> 
<p><b>31604</b></p> 	<p><b>31755</b></p> 
<p><b>31814</b> (mixture of isomers (open chain))</p> 	<p><b>31934</b></p> 
<p><b>32059</b></p> 	<p><b>32140</b></p> 

<p><b>32141</b></p> 	<p><b>32631</b></p> 
<p><b>32636</b></p> 	<p><b>32656</b></p> 
<p><b>32957</b></p> 	<p><b>33042</b></p> 
<p><b>33098</b></p> 	<p><b>33101</b></p> 
<p><b>33102</b></p> 	<p><b>33114</b></p> 

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