$MoSe_6C_6[CF_3]_6$	*hP*74	(176) $P6_3/m$ – i^6d

$Mo[(CF_3)_2C_2Se_2]_3$ [1]
Structural features: $Mo(C_4Se_2F_6)_3$ units (a $MoSe_6$ trigonal prism sharing atoms with three F_3C-C(Se)-C(Se)-CF_3 units) in a Mg-type (h.c.p.) arrangement.

Pierpont C.G., Eisenberg R. (1971) [1]
$C_{12}F_{18}MoSe_6$
a = 1.003, c = 1.43 nm, c/a = 1.426, V = 1.2459 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
C1	12*i*	1	0.011	0.341	0.2018		non-coplanar triangle C_2Se
F2	12*i*	1	0.104	0.333	0.055		single atom C
C3	12*i*	1	0.129	0.333	0.138		tetrahedron F_3C
F4	12*i*	1	0.148	0.218	0.157		single atom C
F5	12*i*	1	0.264	0.445	0.15		single atom C
Se6	12*i*	1	0.5019	0.1326	0.1341		single atom C
Mo7	2*d*	-6..	$^2/_3$	$^1/_3$	$^1/_4$		trigonal prism Se_6

Transformation from published data: *y*,*x*,-*z*
Experimental: single crystal, diffractometer, X-rays, R = 0.041

Remarks: Tris[cis-1,2-di(trifluoromethyl)ethylene-1,2-diselenato] molybdenum. Two-fold rotational disorder of the CF_3 groups was found for $Mo[(CF_3)_2C_2S_2]_3$ in [2].

References: [1] Pierpont C.G., Eisenberg R. (1971), J. Chem. Soc. A 1971, 2285-2289. [2] Wang K., McConnachie J.M., Stiefel E.I. (1999), Inorg. Chem. 38, 4334-4341.