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MW**ArO₂S****Argon – sulfur dioxide (1/1)**
(weakly bound complex)**C_s**
(effective symmetry class)
(large-amplitude motion)
Ar · SO₂

r_s	Å ^{a)}	θ_s	deg ^{a)}
R_{cm}	3.6721(50)	Ar...cm...S ^{b)}	99.37(50)
Ar...S	3.7467(50)	Ar...S...cm ^{b)}	75.24(50)

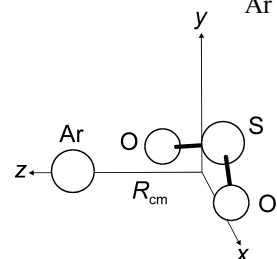
Atom	$ a_s $ [Å]	$ b_s $ [Å]	$ c_s $ [Å]
S	1.4664	0.00	0.3667
Ar	2.2600	0.00	0.0230
cm ^{b)}	1.4120	0.00	0.0143

An analysis based on a flexible model was also performed, yielding $R_{\text{cm}} = 3.6772(1)$ Å and $\text{Ar...cm...S} = 114.47^\circ$.

^{a)} Uncertainties were not estimated in the original paper.

^{b)} cm denotes the center of mass of SO₂.

Schäfer, M.: J. Mol. Struct. **599** (2001) 57.



The x, y, z axis system is almost parallel to the inertial axis system b, c, a .

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