

Arsine, bis(trifluoromethyl)-

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|-----------------------------|---|
| Other names: | Bis(trifluoromethyl)arsine |
| Inchi: | InChI=1S/C2HAsF6/c4-1(5,6)3-2(7,8)9/h3H |
| InchiKey: | STJQTINJVVRXSU-UHFFFAOYSA-N |
| Formula: | C2HAsF6 |
| SMILES: | FC(F)(F)[AsH]C(F)(F)F |
| Mol. weight [g/mol]: | 213.94 |
| CAS: | 371-74-4 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|--------------|------|----------------|
| ie | 10.50 | eV | NIST Webbook |
| ie | 10.90 ± 0.10 | eV | NIST Webbook |
| ie | 11.26 | eV | NIST Webbook |
| log10ws | 0.56 | | Crippen Method |
| logp | 1.463 | | Crippen Method |

Sources

| | |
|------------------------|---|
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.cheméo.com/doc/models/crippen_log10ws |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C371744&Units=SI |

Legend

| | |
|-----------------|-------------------------------------|
| ie: | Ionization energy |
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |

Latest version available from:

<https://www.cheméo.com/cid/71-237-0/Arsine-bis-trifluoromethyl.pdf>

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