

L-(-)-Fucose, tetrakis(trifluoroacetate), methyloxime (syn)

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|----------------------|---|
| Inchi: | InChI=1S/C15H11F12NO9/c1-4(34-8(29)12(16,17)18)6(36-10(31)14(22,23)24)7(37-11(3 |
| InchiKey: | ZLROHNZHWFCGJA-UHFFFAOYSA-N |
| Formula: | C15H11F12NO9 |
| SMILES: | CON=CC(OC(=O)C(F)(F)F)C(OC(=O)C(F)(F)F)C(OC(=O)C(F)(F)F)C(C)OC(=O)C(F)(F)F |
| Mol. weight [g/mol]: | 577.23 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|----------|--------|----------------|
| hf | -3791.57 | kJ/mol | Joback Method |
| hvap | 74.79 | kJ/mol | Joback Method |
| log10ws | -3.89 | | Crippen Method |
| logp | 2.535 | | Crippen Method |
| mcvol | 284.760 | ml/mol | McGowan Method |
| pc | 1090.66 | kPa | Joback Method |
| rinpol | 1131.80 | | NIST Webbook |
| rinpol | 1131.80 | | NIST Webbook |
| tb | 923.42 | K | Joback Method |
| tc | 1133.42 | K | Joback Method |

Sources

| | |
|------------------------|---|
| Joback Method: | https://en.wikipedia.org/wiki/Joback_method |
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=U380224&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

Legend

| | |
|--------------|---|
| hf: | Enthalpy of formation at standard conditions |
| hvap: | Enthalpy of vaporization at standard conditions |

| | |
|-----------------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |
| mvol: | McGowan's characteristic volume |
| pc: | Critical Pressure |
| rinpol: | Non-polar retention indices |
| tb: | Normal Boiling Point Temperature |
| tc: | Critical Temperature |

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<https://www.chemeo.com/cid/18-871-5/L-Fucose-tetrakis-trifluoroacetate-methyloxime-syn.pdf>

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