# TRIFLOXYSTROBIN

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|---|---|
| **Other names:** | Benzeneacetic acid, «alpha»-(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl methyl ester, («alpha»E)-«alpha»-(methoxyimino)-2-[[[(1E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl methyl ester, («alpha»E)- |
| **Inchi:** | InChI=1S/C20H19F3N2O4/c1-13(14-8-6-9-16(11-14)20(21,22)23)24-29-12-15-7-4-5-10-1 |
| **InchiKey:** | ONCZDRURRATYFI-UHFFFAOYSA-N |
| **Formula:** | C20H19F3N2O4 |
| **SMILES:** | CON=C(C(=O)OC)c1ccccc1CON=C(C)c1cccc(C(F)(F)F)c1 |
| **Mol. weight [g/mol]:** | 408.37 |
| **CAS:** | 141517-21-7 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -967.47 | kJ/mol | Joback Method |
| hvap | 83.01 | kJ/mol | Joback Method |
| log10ws | -5.10 | | Crippen Method |
| logp | 4.170 | | Crippen Method |
| mcvol | 280.990 | ml/mol | McGowan Method |
| pc | 1266.45 | kPa | Joback Method |
| rinpol | 2344.00 | | NIST Webbook |
| rinpol | 2339.00 | | NIST Webbook |
| rinpol | 2336.00 | | NIST Webbook |
| tb | 989.15 | K | Joback Method |
| tc | 1224.73 | K | Joback Method |

# Sources

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|---|---|
| **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=C141517217&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

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| **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 |
| **mcvol:** | McGowan's characteristic volume |
| **pc:** | Critical Pressure |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |