

Chalcone oxime

Inchi: InChI=1S/C15H13NO/c17-16-15(14-9-5-2-6-10-14)12-11-13-7-3-1-4-8-13/h1-12,17H/b12
InchiKey: IXQYPXRYRSEMAA-YBAIQQBHSA-N
Formula: C15H13NO
SMILES: ON=C(C=Cc1ccccc1)c1ccccc1
Mol. weight [g/mol]: 223.27
CAS: 6502-38-1

Physical Properties

Property code	Value	Unit	Source
hf	157.55	kJ/mol	Joback Method
hvap	73.57	kJ/mol	Joback Method
log10ws	-3.25		Crippen Method
logp	3.578		Crippen Method
mvol	181.940	ml/mol	McGowan Method
pc	2624.46	kPa	Joback Method
tb	768.86	K	Joback Method
tc	1009.43	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=C6502381&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
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
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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