Carbodiimide, bis(o-methoxyphenyl)-

Inchi: InChI=1S/C15H14N2O2/c1-18-14-9-5-3-7-12(14)16-11-17-13-8-4-6-10-15(13)19-2/h3-10
InchiKey: ASCJVQUJOIYDBI-UHFFFAOYSA-N
Formula: C15H14N2O2
SMILES: COc1ccccc1N=C=Nc1ccccc1OC
Mol. weight [g/mol]: 254.28
CAS: 20220-77-3

Physical Properties

Property code	Value	Unit	Source
hf	42.75	kJ/mol	Joback Method
hvap	66.78	kJ/mol	Joback Method
log10ws	-3.65		Crippen Method
logp	3.841		Crippen Method
mcvol	197.790	ml/mol	McGowan Method
pc	2010.90	kPa	Joback Method
tb	803.23	K	Joback Method
tc	1060.90	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=C20220773&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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