2,6,2',6'-Tetramethylazobenzene

Other names: 2,2',6,6'-Tetramethylazobenzene-N,N-dioxide
Inchi: InChI=1S/C16H18N2O2/c1-11-7-5-8-12(2)15(11)17(19)18(20)16-13(3)9-6-10-14(16)4/h5
InchiKey: MOIONWYNTORJQI-UHFFFAOYSA-N
Formula: C16H18N2O2
SMILES: Cc1cccc(C)c1[N+]([O-])=[N+]([O-])c1c(C)cccc1C
Mol. weight [g/mol]: 270.33
CAS: 101225-69-8

Physical Properties

Property code	Value	Unit	Source
hsub	107.00 ± 12.00	kJ/mol	NIST Webbook
log10ws	-5.20		Crippen Method
logp	4.356		Crippen Method
mcvol	216.180	ml/mol	McGowan Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C101225698&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hsub: Enthalpy of sublimation at standard conditions
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume