

Diazenes, (4-ethoxyphenyl)(4-methoxyphenyl)-, 1-oxide

Other names:	p-Azoxyanisoylphenetole
Inchi:	InChI=1S/C15H16N2O3/c1-3-20-15-8-4-12(5-9-15)16-17(18)13-6-10-14(19-2)11-7-13/h4
InchiKey:	SHNTZCGYSJPCDP-UHFFFAOYSA-N
Formula:	C15H16N2O3
SMILES:	CCOc1ccc(N=[N+])([O-])c2ccc(OC)cc2)cc1
Mol. weight [g/mol]:	272.30
CAS:	56095-14-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.06		Crippen Method
logp	4.020		Crippen Method
mcvol	207.960	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	594.00	J/mol×K	420.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C56095148&Units=SI

Legend

cpl:	Liquid phase heat capacity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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