Diazene, bis(4-butoxyphenyl)-, 1-oxide

Other names: Azoxy-bis-(p-n-butoxybenzene)
Inchi: InChI=1S/C20H26N2O3/c1-3-5-15-24-19-11-7-17(8-12-19)21-22(23)18-9-13-20(14-10-18
InchiKey: DWRXFZDFCLDVQG-UHFFFAOYSA-N
Formula: C20H26N2O3
SMILES: CCCCOc1ccc(N=[N+]([O-])c2ccc(OCCCC)cc2)cc1
Mol. weight [g/mol]: 342.43
CAS: 17051-01-3

Physical Properties

Property code	Value	Unit	Source
ie	7.61	eV	NIST Webbook
log10ws	-6.15		Crippen Method
logp	5.970		Crippen Method
mcvol	278.410	ml/mol	McGowan Method
tt	377.20 ± 0.80	K	NIST Webbook
tt	375.20 ± 0.10	K	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17051013&Units=SI
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

Legend

ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tt: Triple Point Temperature