Diazene, bis[4-(hexyloxy)phenyl]-, 1-oxide

Other names:	Azoxybenzene, 4,4'-bis(hexyloxy)-
	p,p'-bis(Hexyloxy)azoxybenzene
	p,p'-bis(n-Hexyloxy)azoxybenzene
	p,p'-Dihexyloxyazoxybenzene
	4,4'-Bis(hexyloxy)azoxybenzene
	4,4'-Bis(n-hexyloxy)azoxybenzene
	4,4'-Di-n-hexyloxyazoxybenzene
	4,4'-Dihexoxyazoxybenzene
	4,4'-Dihexyloxyazoxybenzene
	HEXOAB
	Azoxy-bis-(p-n-hexyloxybenzene)
	Diazene, 1,2-bis[4-(hexyloxy)phenyl]-, 1-oxide
	NSC 127558
Inchi:	InChI=1S/C24H34N2O3/c1-3-5-7-9-19-28-23-15-11-21(12-16-23)25-26(27)22-13-17-24(1
InchiKey:	GWRSINRMEBHRIO-UHFFFAOYSA-N
Formula:	C24H34N2O3
SMILES:	CCCCCCOc1ccc(N=[N+]([O-])c2ccc(OCCCCCC)cc2)cc1
Mol. weight [g/mol]:	398.54
CAS:	2587-42-0

Physical Properties

Property code	Value	Unit	Source
ie	7.55	eV	NIST Webbook
log10ws	-7.83		Crippen Method
logp	7.530		Crippen Method
mcvol	334.770	ml/mol	McGowan Method
tt	354.00 ± 0.10	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2587420&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