

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

Other names:	4,4'-Bis(pentyloxy)azoxybenzene 4,4'-di-n-Amyloxyazoxybenzene Azoxy-bis-(p-n-pentyloxybenzene)
Inchi:	InChI=1S/C22H30N2O3/c1-3-5-7-17-26-21-13-9-19(10-14-21)23-24(25)20-11-15-22(16-
InchiKey:	KJMATSUHPOPLMT-UHFFFAOYSA-N
Formula:	C22H30N2O3
SMILES:	CCCCCOc1ccc(N=[N+](O-))c2ccc(OCCCC)cc2)cc1
Mol. weight [g/mol]:	370.49
CAS:	19482-05-4

Physical Properties

Property code	Value	Unit	Source
ie	7.63	eV	NIST Webbook
log10ws	-6.99		Crippen Method
logp	6.750		Crippen Method
mcvol	306.590	ml/mol	McGowan Method
tt	349.00 ± 0.10	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C19482054&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

Latest version available from:

<https://www.cheméo.com/cid/12-707-3/Diazene-bis-4-pentyloxy-phenyl-1-oxide.pdf>

Generated by Cheméo on 2024-06-24 22:45:08.8658143 +0000 UTC m=+21558357.786391613.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.