Piperidine, 1,1'-(1,4-phenylenedicarbonyl)bis-

Other names:	Piperidine, 1,1'-terephthaloyldi-
	Terephthalic acid, dipiperidide
Inchi:	InChI=1S/C18H24N2O2/c21-17(19-11-3-1-4-12-19)15-7-9-16(10-8-15)18(22)20-13-5-2-6
InchiKey:	ZHHMFDCUOHNPTM-UHFFFAOYSA-N
Formula:	C18H24N2O2
SMILES:	O=C(c1ccc(C(=O)N2CCCCC2)cc1)N1CCCCC1
Mol. weight [g/mol]:	300.40
CAS:	15088-30-9

Physical Properties

Property code	Value	Unit	Source
ie	8.80	eV	NIST Webbook
log10ws	-4.06		Crippen Method
logp	2.939		Crippen Method
mcvol	242.100	ml/mol	McGowan Method

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=C15088309&Units=SI

Legend

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

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