10H-Phenothiazine-10-propanamine, N,N-dimethyl-, 5-oxide

Other names:	Phenothiazine, 10-[3-(dimethylamino)propyl]-, 5-oxide
	Promazine sulfoxide
	Propazine sulfoxide
	SKF 5418A
	Promazine, S-oxide
Inchi:	InChI=1S/C17H20N2OS/c1-18(2)12-7-13-19-14-8-3-5-10-16(14)21(20)17-11-6-4-9-15(17
InchiKey:	KSHDHDWHIWBNHA-UHFFFAOYSA-N
Formula:	C17H20N2OS
SMILES:	CN(C)CCCN1c2ccccc2S(=O)c2ccccc21
Mol. weight [g/mol]:	300.42
CAS:	146-21-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.83		Crippen Method
logp	3.256		Crippen Method
mcvol	234.190	ml/mol	McGowan Method

Sources

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=C146214&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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

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