

1,3-Diphthalimido-propane

Inchi:	InChI=1S/C19H14N2O4/c22-16-12-6-1-2-7-13(12)17(23)20(16)10-5-11-21-18(24)14-8-3
InchiKey:	IPPRCFUEIHNCOU-UHFFFAOYSA-N
Formula:	C19H14N2O4
SMILES:	O=C1c2ccccc2C(=O)N1CCCN1C(=O)c2ccccc2C1=O
Mol. weight [g/mol]:	334.33
CAS:	10513-96-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.25		Crippen Method
logp	1.969		Crippen Method
mcvol	235.570	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10513969&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

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

Latest version available from:

<https://www.chemeo.com/cid/10-292-6/1-3-Diphthalimido-propane.pdf>

Generated by Cheméo on 2025-12-05 16:40:35.342121455 +0000 UTC m=+4701032.872162109.

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