N-n-Propylphthalimide

Other names:	1H-Isoindole-1,3(2H)-dione, 2-propyl- N-propylphthalimide
Inchi:	InChI=1S/C11H11NO2/c1-2-7-12-10(13)8-5-3-4-6-9(8)11(12)14/h3-6H,2,7H2,1H3
InchiKey:	RLARUBPTQYKZKA-UHFFFAOYSA-N
Formula:	C11H11NO2
SMILES:	CCCN1C(=O)c2ccccc2C1=O
Mol. weight [g/mol]:	189.21
CAS:	5323-50-2

Physical Properties

Property code	Value	Unit	Source
hsub	98.20 ± 1.40	kJ/mol	NIST Webbook
log10ws	-2.67		Crippen Method
logp	1.693		Crippen Method
mcvol	144.350	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=C5323502&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hsub:	Enthalpy of sublimation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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