

1H-Isoindole-1,3(2H)-dione, N-ethyl-

Other names:	Phthalimide, N-ethyl- N-Ethylphthalimide
Inchi:	InChI=1S/C10H9NO2/c1-2-11-9(12)7-5-3-4-6-8(7)10(11)13/h3-6H,2H2,1H3
InchiKey:	JZDSOQSUCWVBMV-UHFFFAOYSA-N
Formula:	C10H9NO2
SMILES:	CCN1C(=O)c2ccccc2C1=O
Mol. weight [g/mol]:	175.18
CAS:	5022-29-7

Physical Properties

Property code	Value	Unit	Source
hsub	90.90 ± 1.20	kJ/mol	NIST Webbook
log10ws	-2.25		Crippen Method
logp	1.302		Crippen Method
mcvol	130.260	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5022297&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

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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