

N-Anilinophthalimide

Other names:	Phthalimide, N-anilino- 1H-Isoindole-1,3(2H)-dione, 2-(phenylamino)- NSC 402606 N-Phthaliminoaniline
Inchi:	InChI=1S/C14H10N2O2/c17-13-11-8-4-5-9-12(11)14(18)16(13)15-10-6-2-1-3-7-10/h1-9,
InchiKey:	SRSOPFHQIAZPOL-UHFFFAOYSA-N
Formula:	C14H10N2O2
SMILES:	O=C1c2ccccc2C(=O)N1Nc1ccccc1
Mol. weight [g/mol]:	238.24
CAS:	4870-16-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.64		Crippen Method
logp	2.310		Crippen Method
mcpvol	172.840	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	26.90	kJ/mol	457.00	NIST Webbook

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=C4870160&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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