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/h1-9,1
InchiKey: SRSOPFHQIAZPOL-UHFFFAOYSA-N
Formula: C14H10N2O2
SMILES: O=C1c2ccccc2C(=O)N1Nc1ccccc1
Mol. weight [g/mol]: 238.25

Physical Properties

Property code	Value	Unit	Source
hf	8.99	kJ/mol	Cheméo Relay (1.0)
ie	8.07	eV	Cheméo Relay (1.0)
logp	2.310		Crippen Method
mcvol	172.840	ml/mol	McGowan Method
tb	651.97	K	Cheméo Relay (1.0)
tf	437.62	K	Cheméo Relay (1.0)

Temperature Dependent Properties

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

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C4870160&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hf:	Enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point