N-Vinylphthalimide

Other names:	N-Vinylphthalimide
	Phthalimide, N-vinyl-
	2-Ethenyl-1H-isoindole-1,3(2H)-dione
Inchi:	InChI=1S/C10H7NO2/c1-2-11-9(12)7-5-3-4-6-8(7)10(11)13/h2-6H,1H2
InchiKey:	IGDLZDCWMRPMGL-UHFFFAOYSA-N
Formula:	C10H7NO2
SMILES:	C=CN1C(=O)c2ccccc2C1=O
Mol. weight [g/mol]:	173.17

Physical Properties

Property code	Value	Unit	Source
hf	-93.30	kJ/mol	Cheméo Relay (1.0)
ie	9.13	eV	Cheméo Relay (1.0)
logp	1.426		Crippen Method
mcvol	125.960	ml/mol	McGowan Method
tb	587.41	K	Cheméo Relay (1.0)
tf	422.42	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3485845&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

hf:	Enthalpy of formation at standard conditions
ie:	Ionization energy

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point