5H-NAPHTHO[2,3-C]CARBAZOLE

Other names: Naphtho[2,3-c]carbazole
Inchi: InChI=1S/C20H13N/c1-2-6-14-12-17-15(11-13(14)5-1)9-10-19-20(17)16-7-3-4-8-18(16)2
InchiKey: BBFHREQEYXXOMK-UHFFFAOYSA-N
Formula: C20H13N
SMILES: c1ccc2cc3c(ccc4[nH]c5ccccc5c43)cc2c1
Mol. weight [g/mol]: 267.33

Physical Properties

Property code	Value	Unit	Source
hf	350.06	kJ/mol	Cheméo Relay (1.0)
hvap	130.95	kJ/mol	Cheméo Relay (1.0)
ie	7.00 ± 0.10	eV	NIST Webbook
log10ws	-7.51		Cheméo Relay (1.0)
logp	5.146		Crippen Method
mcvol	205.340	ml/mol	McGowan Method
pc	2614.09	kPa	Cheméo Relay (1.0, beta)
tb	770.23	K	Cheméo Relay (1.0)
tc	1132.98	K	Cheméo Relay (1.0)
tf	544.58	K	Cheméo Relay (1.0)
vc	0.785	m3/kmol	Cheméo Relay (1.0)

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C198969&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
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume