6H-BENZO[B]NAPHTHO[2,3-H]CARBAZOLE

Other names: Benzo[b]naphtho[2,3-h]carbazole
Inchi: InChI=1S/C24H15N/c1-2-6-16-10-20-14-24-22(12-19(20)9-15(16)5-1)21-11-17-7-3-4-8-1
InchiKey: STJHWSXBOXDIAD-UHFFFAOYSA-N
Formula: C24H15N
SMILES: c1ccc2cc3cc4c(cc3cc2c1)[nH]c1cc2ccccc2cc14
Mol. weight [g/mol]: 317.39

Physical Properties

Property code	Value	Unit	Source
hf	402.39	kJ/mol	Cheméo Relay (1.0)
hvap	164.10	kJ/mol	Cheméo Relay (1.0)
ie	7.10 ± 0.10	eV	NIST Webbook
log10ws	-9.80		Cheméo Relay (1.0)
logp	6.299		Crippen Method
mcvol	242.240	ml/mol	McGowan Method
pc	2133.85	kPa	Cheméo Relay (1.0, beta)
tb	853.07	K	Cheméo Relay (1.0)
tc	1239.91	K	Cheméo Relay (1.0)
tf	630.75	K	Cheméo Relay (1.0)
vc	0.931	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C905953&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
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