7H-DIBENZO[A,G]CARBAZOLE, 12,13-DIHYDRO-

Other names: 3,4-Dihydro-1,2,5,6-dibenzcarbazole
Inchi: InChI=1S/C20H15N/c1-3-7-15-13(5-1)10-12-18-19(15)17-11-9-14-6-2-4-8-16(14)20(17)2
InchiKey: VDHREAQAVYIPPC-UHFFFAOYSA-N
Formula: C20H15N
SMILES: c1ccc2c(c1)CCc1c-2[nH]c2ccc3ccccc3c12
Mol. weight [g/mol]: 269.35

Physical Properties

Property code	Value	Unit	Source
ie	7.25	eV	Cheméo Relay (1.0)
log10ws	-7.16		Cheméo Relay (1.0)
logp	4.605		Crippen Method
mcvol	209.640	ml/mol	McGowan Method
tb	744.73	K	Cheméo Relay (1.0)
tf	494.70	K	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C63077009&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

ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

tb: Normal Boiling Point Temperature

tf: Normal melting (fusion) point