Benzo[g]quinoline

Other names:	1-Azaanthracene
	6,7-Benzoquinoline
	Naphtho-2',3':2,3-pyridine
	Naphthazine
Inchi:	InChI=1S/C13H9N/c1-2-5-11-9-13-12(6-3-7-14-13)8-10(11)4-1/h1-9H
InchiKey:	RFQDDXWZZVRLKO-UHFFFAOYSA-N
Formula:	C13H9N
SMILES:	c1ccc2cc3ncccc3cc2c1
Mol. weight [g/mol]:	179.22
CAS:	260-36-6

Physical Properties

Property code	Value	Unit	Source
chs	-6550.80 ± 3.70	kJ/mol	NIST Webbook
hf	243.50 ± 5.50	kJ/mol	NIST Webbook
hsub	94.60 ± 3.80	kJ/mol	NIST Webbook
ie	7.60 ± 0.10	eV	NIST Webbook
log10ws	-4.85		Crippen Method
logp	3.388		Crippen Method
mcvol	141.330	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C260366&Units=SI

Legend

chs:	Standard solid enthalpy of combustion

hf:	Enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume