Acenaphtho(1,2-b)quinoxaline

Other names:	7,10-Diaza-8,9-benzoflotruranthene
	7,10-Diaza-8,9-benzofluoranthene
	7,12-Diazabenzo(k)fluoranthene
Inchi:	InChI=1S/C18H10N2/c1-2-10-15-14(9-1)19-17-12-7-3-5-11-6-4-8-13(16(11)12)18(17)20-
InchiKey:	VRSLSEDOBUYIMM-UHFFFAOYSA-N
Formula:	C18H10N2
SMILES:	c1cc2c3c(cccc3c1)-c1nc3ccccc3nc1-2
Mol. weight [g/mol]:	254.29
CAS:	207-11-4

Physical Properties

Property code	Value	Unit	Source
ie	8.60 ± 0.10	eV	NIST Webbook
log10ws	-8.06		Crippen Method
logp	4.430		Crippen Method
mcvol	187.140	ml/mol	McGowan Method

Sources

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=C207114&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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