

Indeno[2,1-b]chromene

Other names:	2,3-5,6-Dibenzoxalene
Inchi:	InChI=1S/C16H10O/c1-3-7-13-11(5-1)10-16-14(13)9-12-6-2-4-8-15(12)17-16/h1-10H
InchiKey:	HYVCFGOTQRVWPN-UHFFFAOYSA-N
Formula:	C16H10O
SMILES:	<chem>c1ccc2oc3cc4ccccc4c-3cc2c1</chem>
Mol. weight [g/mol]:	218.25
CAS:	243-24-3

Physical Properties

Property code	Value	Unit	Source
chs	-7795.60	kJ/mol	NIST Webbook
hf	200.00	kJ/mol	NIST Webbook
hsub	129.40	kJ/mol	NIST Webbook
log10ws	-10.83		Crippen Method
logp	4.691		Crippen Method
mcvol	164.330	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	125.90	kJ/mol	381.50	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C243243&Units=SI

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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