Formamide, n-(10,11-dihydro-5h-dibenzo(a,d)-cyclohepten-5-y

Inchi: InChI=1S/C16H15NO/c18-11-17-16-14-7-3-1-5-12(14)9-10-13-6-2-4-8-15(13)16/h1-8,11,
InchiKey: UWZWVIXWBAYFRW-UHFFFAOYSA-N
Formula: C16H15NO
SMILES: OC=NC1c2ccccc2CCc2ccccc21
Mol. weight [g/mol]: 237.30
CAS: 62371-00-0

Physical Properties

Property code	Value	Unit	Source
hf	79.34	kJ/mol	Joback Method
hvap	76.99	kJ/mol	Joback Method
log10ws	-4.10		Crippen Method
logp	3.461		Crippen Method
mcvol	189.470	ml/mol	McGowan Method
pc	2487.55	kPa	Joback Method
tb	804.40	K	Joback Method
tc	1043.89	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C62371000&Units=SI

Legend

hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions
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