2-(Benzylideneamino)fluorene

Other names: Benzylidene 2-fluorenamine
Inchi: InChI=1S/C20H15N/c1-2-6-15(7-3-1)14-21-18-10-11-20-17(13-18)12-16-8-4-5-9-19(16)2
InchiKey: MZLBNAQKLUROAC-UHFFFAOYSA-N
Formula: C20H15N
SMILES: C(=Nc1ccc2c(c1)Cc1ccccc1-2)c1ccccc1
Mol. weight [g/mol]: 269.34
CAS: 13924-50-0

Physical Properties

Property code	Value	Unit	Source
hf	406.73	kJ/mol	Joback Method
hvap	72.12	kJ/mol	Joback Method
log10ws	-6.29		Crippen Method
logp	5.008		Crippen Method
mcvol	216.200	ml/mol	McGowan Method
pc	2100.34	kPa	Joback Method
tb	831.53	K	Joback Method
tc	1102.30	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=C13924500&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