

9H-Fluoren-9-one, hydrazone

Other names:	Fluoren-9-one, hydrazone Fluorenone hydrazone 9-Fluorenone hydrazone
Inchi:	InChI=1S/C13H10N2/c14-15-13-11-7-3-1-5-9(11)10-6-2-4-8-12(10)13/h1-8H,14H2
InchiKey:	YCNUILAKOMIBAL-UHFFFAOYSA-N
Formula:	C13H10N2
SMILES:	NN=C1c2ccccc2-c2ccccc21
Mol. weight [g/mol]:	194.23
CAS:	13629-22-6

Physical Properties

Property code	Value	Unit	Source
hf	318.75	kJ/mol	Joback Method
hvap	65.07	kJ/mol	Joback Method
log10ws	-4.11		Crippen Method
logp	2.378		Crippen Method
mcvol	151.310	ml/mol	McGowan Method
pc	3114.04	kPa	Joback Method
tb	714.72	K	Joback Method
tc	979.84	K	Joback Method

Sources

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=C13629226&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀w_s:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mc_{vol}:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/83-142-2/9H-Fluoren-9-one-hydrazone.pdf>

Generated by Cheméo on 2024-04-26 22:22:56.115831034 +0000 UTC m=+16459425.036408346.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.