Hydramethylnon

Other names:	2(1H)-Pyrimidinone, tetrahydro-5,5-dimethyl-, (3-(4-(trifluoromethyl)phenyl)-1-(2-(4-(trifluoromethyl)phenyl)ethenyl)-2-propenylidene)hyd AC 217300 Amdro CL 217300 Combat Matox Maxforce Wipeout 1,5-Bis[4-(trifluoromethyl)phenyl]-1,4-pentadien-3-one (5,5-dimethyltetrahydro-2(1H)-pyrimidinylidene)hydrazone 1,4-Pentadien-3-one, 1,5-bis[4-(trifluoromethyl)phenyl]-, 2-(1,4,5,6-tetrahydro-5,5-dimethyl-2-pyrimidinyl)hydrazone
Inchi:	InChI=1S/C25H24F6N4/c1-23(2)15-32-22(33-16-23)35-34-21(13-7-17-3-9-19(10-4-17)24
InchiKey:	IQVNEKKDSLOHHK-FNCQTZNRSA-N
Formula:	C25H24F6N4
SMILES:	CC1(C)CNC(=NN=C(C=Cc2ccc(C(F)(F)F)cc2)C=Cc2ccc(C(F)(F)F)cc2)NC1
Mol. weight [g/mol]:	494.48
CAS:	67485-29-4

Physical Properties

Property code	Value	Unit	Source
hf	-810.29	kJ/mol	Joback Method
hvap	89.87	kJ/mol	Joback Method
log10ws	-8.25		Crippen Method
logp	6.382		Crippen Method
mcvol	338.070	ml/mol	McGowan Method
pc	1080.64	kPa	Joback Method
tb	1104.81	K	Joback Method
tc	1361.41	K	Joback Method
tf	466.45 ± 0.20	K	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C67485294&Units=SI
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

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
tf:	Normal melting (fusion) point