Thiourea, N,N'-diphenyl-

Other names:	Carbanilide, thio-
	s-Diphenylthiocarbamide
	s-Diphenylthiourea
	Diphenylthiourea
	N,N'-Diphenylthiocarbamide
	N,N'-Diphenylthiourea
	Stabilisator C
	Sulfocarbanilide
	Thiocarbanilide
	Vulkacit CA
	1,3-Diphenyl-2-thiourea
	1,3-Diphenylthiourea
	sym-Diphenylthiourea
	Rhenocure CA
	Thiourea, s-diphenyl-
	Urea, 1,3-diphenyl-2-thio-
	USAF EK-245
	DFT
	1,3-Difenylthiomocovina
	2-Fenylotiomocznik
	Thiokarbanilid
	Thiourea, sym-diphenyl-
	Urea, diphenylthio-
	Nocceler C
	DPTU
	N,N'-Diphenylsulfourea
	Stabilizer C
	NSC 28134
Inchi:	InChI=1S/C13H12N2S/c16-13(14-11-7-3-1-4-8-11)15-12-9-5-2-6-10-12/h1-10H,(H2,14,1
InchiKey:	FCSHMCFRCYZTRQ-UHFFFAOYSA-N
Formula:	C13H12N2S
SMILES:	SC(=Nc1ccccc1)Nc1ccccc1
Mol. weight [g/mol]:	228.31
CAS:	102-08-9

Physical Properties

Property code	Value	Unit	Source

hf	325.79	kJ/mol	Joback Method
hvap	65.65	kJ/mol	Joback Method
log10ws	-3.92		Crippen Method
logp	3.716		Crippen Method
mcvol	178.520	ml/mol	McGowan Method
pc	2995.87	kPa	Joback Method
tb	739.79	K	Joback Method
tc	1019.64	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=C102089&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