Thiourea, N,N'-bis(phenylmethyl)-

Other names:	Urea, 1,3-dibenzyl-2-thio- sym-Dibenzylthiourea Dibenzylthiourea N,N'-Dibenzylthiourea Thiourea, bis(phenylmethyl)- 1,3-Dibenzylthiourea 1,3-Dibenzyl-2-thiourea NSC 37141
Inchi:	InChI=1S/C15H16N2S/c18-15(16-11-13-7-3-1-4-8-13)17-12-14-9-5-2-6-10-14/h1-10H,11
InchiKey:	LQZPSWMMTICWHD-UHFFFAOYSA-N
Formula:	C15H16N2S
SMILES:	SC(=NCc1ccccc1)NCc1ccccc1
Mol. weight [g/mol]:	256.37
CAS:	1424-14-2

Physical Properties

Property code	Value	Unit	Source
hf	284.51	kJ/mol	Joback Method
hvap	70.10	kJ/mol	Joback Method
log10ws	-4.71		Crippen Method
logp	3.262		Crippen Method
mcvol	206.700	ml/mol	McGowan Method
pc	2453.17	kPa	Joback Method
tb	785.55	K	Joback Method
tc	1051.67	K	Joback Method

Sources

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=C1424142&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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