TOLNAFTATE

Other names:	Carbamothioic acid, methyl(3-methylphenyl)-, O-2-naphthalenyl ester
	Aftate
	Carbanilic acid, m,N-dimethylthio-, O-2-naphthyl ester
	Carbanilic acid, N,m-dimethylthio-, O-2-naphthyl ester
	Dermoxin
	Focusan
	Naphthiomate T
	O-2-Naphthyl m,N-dimethylthiocarbanilate
	Pitrex
	Sch 10144
	Sporiline
	Tinactin
	Tinaderm
	Tinavet
	Tolsanil
	Tonoftal
	m,N-Dimethylthiocarbanilic acid O-2-naphthyl ester
	Hi-Alazin
	Methyl (3-methylphenyl)carbamothioic acid O-2-naphthalenyl ester
	2-Naphthyl N-methyl-N-(3-tolyl)thionocarbamate
	Tolnaphthate
	Chinofungin
	Dr. Scholl's athlete's foot spray
	Dungistop
	Hi-Alarzin
	O-2-Naphthyl N,N-dimethylthiocarbanilate
	Timoped
	Tniaderm
	Tritin
	Carbamothioic acid, N-methyl-N-(3-methylphenyl)-, O-2-naphthalenyl ester
	NSC 233648
	Phytoderm
Inchi:	InChI=1S/C19H17NOS/c1-14-6-5-9-17(12-14)20(2)19(22)21-18-11-10-15-7-3-4-8-16(15)
InchiKey:	FUSNMLFNXJSCDI-UHFFFAOYSA-N
Formula:	C19H17NOS
SMILES:	Cc1cccc(N(C)C(=S)Oc2ccc3ccccc3c2)c1
Mol. weight [g/mol]:	307.42

Physical Properties

Property code	Value	Unit	Source
hf	130.34	kJ/mol	Cheméo Relay (1.0)
hfus	38.10	kJ/mol	Joback Method
hvap	114.09	kJ/mol	Cheméo Relay (1.0)
ie	7.43	eV	Cheméo Relay (1.0)
logp	4.948		Crippen Method
mcvol	239.490	ml/mol	McGowan Method
tb	692.27	K	Cheméo Relay (1.0)
tf	384.00 ± 1.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	660.78	J/mol×K	821.32	Joback Method
cpg	675.75	J/mol×K	864.21	Joback Method
cpg	689.67	J/mol×K	907.09	Joback Method
cpg	702.71	J/mol×K	949.98	Joback Method
cpg	715.07	J/mol×K	992.87	Joback Method
cpg	726.92	J/mol×K	1035.75	Joback Method
cpg	738.45	J/mol×K	1078.64	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2398961&Units=SI

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point