

DIPHENYLSILANEDIOL

Other names:	CD6150
	D 6150
	Difenyl-dihydroxysilan
	Dihydroxydiphenylsilane
	Diphenyldihydroxysilane
	Diphenylsilandiol
	Diphenylsilanediol
	NSC 12561
	Silane, dihydroxydiphenyl-
	Silanediol, 1,1-diphenyl-
Inchi:	InChI=1S/C12H12O2Si/c13-15(14,11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10,13-14H
InchiKey:	OLLFKUHHDPMQFR-UHFFFAOYSA-N
Formula:	C12H12O2Si
SMILES:	O[Si](O)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	216.31

Physical Properties

Property code	Value	Unit	Source
hvap	84.80	kJ/mol	Cheméo Relay (1.0)
ie	9.27	eV	Cheméo Relay (1.0)
logp	0.228		Crippen Method
tb	556.62	K	Cheméo Relay (1.0)
tf	380.18	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C947422&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
i_e:	Ionization energy
log_p:	Octanol/Water partition coefficient
t_b:	Normal Boiling Point Temperature
t_f:	Normal melting (fusion) point

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