

Silane, difluorodiphenyl-

Other names: Difluorodiphenylsilane; Diphenyldifluorosilane; Diphenylsilane difluoride.

InChI: InChI=1S/C12H10F2Si/c13-15(14,11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H

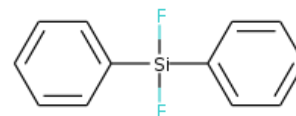
InChI Key: BOMPXIHODLVNMC-UHFFFAOYSA-N

Formula: C₁₂H₁₀F₂Si

SMILES: F[Si](F)(c1ccccc1)c1ccccc1

Molecular Weight: 220.29

CAS: 312-40-3



Physical Properties

Property	Value	Unit	Source
$\log P_{\text{oct/wat}}$	2.18		Crippen Method
T_{boil}	430.00	K	NIST Webbook

Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$\Delta_{\text{vap}} H$	50.70	kJ/mol	454.0	NIST Webbook

Sources

NIST Webbook: [http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H10F2Si/c13-15\(14,11-7-3-1-4-8-11\)12-9-5-2-6-10-12/h1-10H](http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H10F2Si/c13-15(14,11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H)

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

$\Delta_{\text{vap}} H$: Enthalpy of vaporization at a given temperature (kJ/mol).

$\log P_{\text{oct/wat}}$: Octanol/Water partition coefficient .

T_{boil} : Normal Boiling Point Temperature (K).

Latest version available from:

<https://www.cheméo.com/cid/85-563-3/Silane%2C%20difluorodiphenyl->

Generated by Cheméo on Sun, 18 Apr 2021 08:02:05 +0000.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.