

Silane, triethoxyphenyl-

Other names:

Benzeneorthosiliconic acid, triethyl ester
Phenyltriethoxysilane
Triethoxyphenylsilane
Silane, phenyltriethoxy-
Triethoxyphenylsilan
CP0320

Inchi:

InChI=1S/C12H20O3Si/c1-4-13-16(14-5-2,15-6-3)12-10-8-7-9-11-12/h7-11H,4-6H2,1-3H

InchiKey:

JCVQKRGIASEUKR-UHFFFAOYSA-N

Formula:

C12H20O3Si

SMILES:

CCO[Si](OCC)(OCC)c1ccccc1

Mol. weight [g/mol]:

240.37

CAS:

780-69-8

Physical Properties

Property code	Value	Unit	Source
hvap	58.30 ± 0.90	kJ/mol	NIST Webbook
log10ws	-4.40		Crippen Method
logp	1.942		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	61.80	kJ/mol	425.00	NIST Webbook

Sources

Crippen Method:

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

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C780698&Units=SI>

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
h_{vapt}:	Enthalpy of vaporization at a given temperature
log₁₀ws:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient

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