

Butanenitrile, 4-(triethoxysilyl)-

Other names:	Butyronitrile, 4-(triethoxysilyl)- 3-Cyanopropyltriethoxysilane 4-(Triethoxysilyl)butyronitrile Silane, (3-cyanopropyl)triethoxy- Silane, triethoxy(3-cyanopropyl)- Triethoxy-3-kyanpropylsilan 4-(Triethoxysilyl)butanenitrile
Inchi:	InChI=1S/C10H21NO3Si/c1-4-12-15(13-5-2,14-6-3)10-8-7-9-11/h4-8,10H2,1-3H3
InchiKey:	VGIURMCNTDVGJM-UHFFFAOYSA-N
Formula:	C10H21NO3Si
SMILES:	CCO[Si](CCCC#N)(OCC)OCC
Mol. weight [g/mol]:	231.36
CAS:	1067-47-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.35		Crippen Method
logp	2.339		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	352.50 ± 0.50	K	0.08	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1067476&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbrp:	Boiling point at reduced pressure

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