

D-Arabino-Hexonic acid, 3-deoxy-2,5,6-tris-O-(trimethylsilyl)-, «gamma»-lactone

Other names:

3-Deoxy-arabino-hexonic acid lactone, TMS

InChI: InChI=1S/C15H34O5Si3/c1-21(2,3)17-11-14(20-23(7,8)9)12-10-13(15(16)18-12)19-22(4,

InchiKey: VULQXPQZKLTTKL-UHFFFAOYSA-N

Formula: C15H34O5Si3

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C1CC(O[Si](C)(C)C)C(=O)O1

Mol. weight [g/mol]: 378.68

CAS: 33648-66-7

Physical Properties

Property code	Value	Unit	Source
log10ws	3.39		Crippen Method
logp	3.594		Crippen Method
rinpola	1801.00		NIST Webbook
rinpola	1801.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C33648667&Units=SI>

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

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpola: Non-polar retention indices

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