Pentanedioic acid, 2-(methoxyimino)-, bis(trimethylsilyl) ester

Other names: Bis(trimethylsilyl) 2-(methoxyimino)pentanedioate
2-Oxoglutaric acid, O-methyloxime, bis-TMS
2-Oxoglutaric acid, O-methyloxime, TMS
«alpha»-Ketoglutaric acid, MO-2TMS

Inchi: InChI=1S/C12H25NO5Si2/c1-16-13-10(12(15)18-20(5,6)7)8-9-11(14)17-19(2,3)4/h8-9H2

InchiKey: CDCIQINXMINSBF-UHFFFAOYSA-N

Formula: C12H25NO5Si2

SMILES: CON=C(CCC(=O)O[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 319.50

CAS: 60022-87-9

Physical Properties

Property code	Value	Unit	Source
log10ws	2.09		Crippen Method
logp	2.525		Crippen Method
rinpol	1587.00		NIST Webbook
rinpol	1587.00		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C60022879&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices