

Galactaric acid, 2,3,4,5-tetrakis-O-(trimethylsilyl)-, bis(trimethylsilyl) ester

Other names:

1,6-Bis(trimethylsilyl)-2,3,4,5-tetrakis-O-(trimethylsilyl)galactarate

Galactaric acid, hexakis-TMS

Galactaric acid, (6TMS)-

Galactaric acid, TMS

Galactaric acid, (r,s,r,s)-, 6tms derivative

Inchi: InChI=1S/C24H58O8Si6/c1-33(2,3)27-19(21(29-35(7,8)9)23(25)31-37(13,14)15)20(28-34

InchiKey: AFNUGMFTFWKGLV-ZDNVTZCJSA-N

Formula: C24H58O8Si6

SMILES: C[Si](C)(C)OC(=O)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O

Mol. weight [g/mol]: 643.23

CAS: 56272-61-8

Physical Properties

Property code	Value	Unit	Source
log10ws	7.30		Crippen Method
logp	6.623		Crippen Method
rinpol	2104.00		NIST Webbook
rinpol	2092.00		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=C56272618&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

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