

Arabinaric acid, 2,3,4-tris-O-(trimethylsilyl)-, bis(trimethylsilyl) ester

Other names:

Arabinaric acid, (5TMS)-

Arabinaric acid, TMS

Inchi:

InChI=1S/C20H48O7Si5/c1-28(2,3)23-16(17(24-29(4,5)6)19(21)26-31(10,11)12)18(25-30)

InchiKey:

QGJKSEWJPVGCIU-ROUUACIJSA-N

Formula:

C₂₀H₄₈O₇Si₅

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)O[Si](C)(C)C

Mol. weight [g/mol]:

541.02

CAS:

38165-95-6

Physical Properties

Property code	Value	Unit	Source
log10ws	6.23		Crippen Method
logp	5.403		Crippen Method
rinpol	1862.00		NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C38165956&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/26-154-2/Arabinaric-acid-2-3-4-tris-O-trimethylsilyl-bis-trimethylsilyl-ester.pdf>

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