

Cinnamic acid, m-(trimethylsiloxy)-, trimethylsilyl ester

Other names:

Trimethylsilyl 3-(3-[(trimethylsilyl)oxy]phenyl)-2-propenoate
2-Propenoic acid, 3-(2-trimethylsilyloxyphenyl), trimethylsilylester
Cinnamic acid, 3-hydroxy, bis-TMS
m-Coumaric acid, (bis-TMS)-
m-Coumaric acid, TMS
(E)-m-Coumaric acid, TMS
Cinnamic acid, 3-hydroxy, TMS
3-Hydroxycinnamic acid, bis-TMS
(Z)-m-Coumaric acid, TMS
M-coumaric acid, 2tms derivative

Inchi:

InChI=1S/C15H24O3Si2/c1-19(2,3)17-14-9-7-8-13(12-14)10-11-15(16)18-20(4,5)6/h7-12

InchiKey:

LIHYCYTHAQUBB-ZHACJKMWSA-N

Formula:

C₁₅H₂₄O₃Si₂

SMILES:

C[Si](C)(C)OC(=O)C=Cc1ccc(O[Si](C)(C)C)c1

Mol. weight [g/mol]:

308.52

CAS:

32342-01-1

Physical Properties

Property code	Value	Unit	Source
log10ws	0.11		Crippen Method
logp	4.292		Crippen Method
rinpol	1886.00		NIST Webbook
rinpol	1887.00		NIST Webbook
rinpol	1889.00		NIST Webbook
rinpol	1889.00		NIST Webbook
rinpol	1882.00		NIST Webbook
rinpol	1885.00		NIST Webbook
rinpol	1886.00		NIST Webbook
rinpol	1886.00		NIST Webbook
rinpol	1879.00		NIST Webbook
rinpol	1879.00		NIST Webbook
rinpol	1879.00		NIST Webbook
rinpol	1889.00		NIST Webbook
rinpol	1879.00		NIST Webbook
rinpol	1889.00		NIST Webbook
rinpol	1864.00		NIST Webbook
rinpol	1878.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C32342011&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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