

Cinnamic acid, 3,4-dimethoxy-, trimethylsilyl ester

Other names:

3,4-Dimethoxycinnamic acid trimethylsilyl derivative
Monotrimethylsilyl derivative of 3,4-dimethoxycinnamic acid
Trimethylsilyl 3-(3,4-dimethoxyphenyl)-2-propenoate
3,4-Dimethoxycinnamic acid, trimethylsilyl ester
3,4-Dimethoxycinnamic acid, TMS
Trimethylsilyl (2E)-3-(3,4-dimethoxyphenyl)-2-propenoate
3,4-Dimethoxycinnamic acid, tms derivative

InChI: InChI=1S/C14H20O4Si/c1-16-12-8-6-11(10-13(12)17-2)7-9-14(15)18-19(3,4)5/h6-10H,1-

InchiKey: XURFXZGYZJXCEH-VQHVLOKHSA-N

Formula: C14H20O4Si

SMILES: COc1ccc(C=CC(=O)O[Si](C)(C)C)cc1OC

Mol. weight [g/mol]: 280.39

CAS: 27750-71-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.12		Crippen Method
logP	3.095		Crippen Method
rinpol	2035.00		NIST Webbook
rinpol	2032.60		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C27750716&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

rinp0l: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/35-755-5/Cinnamic-acid-3-4-dimethoxy-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-10 08:26:59.370816584 +0000 UTC m=+15026868.291393900.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.