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

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=C27750716&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices