

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

Other names:	2-Propenoic acid, 3-(2-trimethylsiloxyphenyl)-, trimethylsilyl ester Trimethylsilyl 3-(2-[(trimethylsilyl)oxy]phenyl)-2-propenoate Cinnamic acid, 2-hydroxy, TMS o-Coumaric acid, (2TMS)- o-Coumaric acid, bis-TMS o-Coumaric acid, TMS (E)-o-Coumaric acid, TMS (Z)-o-Coumaric acid, TMS trans-2-Hydroxycinnamic acid, trimethylsilyl ether, trimethylsilyl ester 2-Hydroxycinnamic acid, bis-TMS O-coumaric acid, 2tms derivative
Inchi:	InChI=1S/C15H24O3Si2/c1-19(2,3)17-14-10-8-7-9-13(14)11-12-15(16)18-20(4,5)6/h7-12
InchiKey:	BTQKAITUJUXGFH-VAWYXSNFSA-N
Formula:	C15H24O3Si2
SMILES:	<chem>C[Si](C)(C)OC(=O)C=Cc1cccc1O[Si](C)(C)C</chem>
Mol. weight [g/mol]:	308.52
CAS:	32426-62-3

Physical Properties

Property code	Value	Unit	Source
log10ws	0.11		Crippen Method
logp	4.292		Crippen Method
rinpol	1808.00		NIST Webbook
rinpol	1826.00		NIST Webbook
rinpol	1826.00		NIST Webbook
rinpol	1827.00		NIST Webbook
rinpol	1817.00		NIST Webbook
rinpol	1819.00		NIST Webbook
rinpol	1819.00		NIST Webbook
rinpol	1819.00		NIST Webbook
rinpol	1825.00		NIST Webbook
rinpol	1809.00		NIST Webbook
rinpol	1818.00		NIST Webbook
rinpol	1827.00		NIST Webbook
rinpol	1822.00		NIST Webbook
rinpol	1831.00		NIST Webbook
rinpol	1821.60		NIST Webbook

rinpol	1800.00	NIST Webbook
rinpol	1802.10	NIST Webbook
rinpol	1818.00	NIST Webbook
rinpol	1818.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C32426623&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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