

3,5-Dimethoxycinnamic acid, trimethylsilyl ester

Other names:	3,5-Dimethoxycinnamic acid, tms derivative
Inchi:	InChI=1S/C14H20O4Si/c1-16-12-8-11(9-13(10-12)17-2)6-7-14(15)18-19(3,4)5/h6-10H,1-
InchiKey:	WCVDJJZFUPIVDG-VOTSOKGWSA-N
Formula:	C14H20O4Si
SMILES:	COc1cc(C=CC(=O)O[Si](C)(C)C)cc(OC)c1
Mol. weight [g/mol]:	280.39

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.12		Crippen Method
logp	3.095		Crippen Method
rinsol	2032.30		NIST Webbook
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Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U352437&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinsol:	Non-polar retention indices

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