

Cinnamic acid, m-methoxy-, trimethylsilyl ester

Other names:	Trimethylsilyl 3-(3-methoxyphenyl)-2-propenoate Cinnamic acid, 3-methoxy, TMS 3-Methoxycinnamic acid, tms derivative
Inchi:	InChI=1S/C13H18O3Si/c1-15-12-7-5-6-11(10-12)8-9-13(14)16-17(2,3)4/h5-10H,1-4H3/b
InchiKey:	RGDYRMJCKDCLTE-CMDGGGOBGSA-N
Formula:	C13H18O3Si
SMILES:	COc1cccc(C=CC(=O)O[Si](C)(C)C)c1
Mol. weight [g/mol]:	250.37
CAS:	27750-64-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.00		Crippen Method
logp	3.086		Crippen Method
rinpol	1767.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C27750647&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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