

Cinnamic acid, 4-methoxy-3-(tert-butyl dimethylsilyl)oxy-, tert-butyl dimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl 2-(4-methoxyphenyl)acrylate
Isoferulic acid, 2tbdms derivative

Inchi: InChI=1S/C22H38O4Si2/c1-21(2,3)27(8,9)25-19-16-17(12-14-18(19)24-7)13-15-20(23)2

InchiKey: NYWFTA V NQFFHQU-FYWRMAATSA-N

Formula: C22H38O4Si2

SMILES: COc1ccc(C=CC(=O)O[Si](C)(C)C(C)(C)C)cc1O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 422.71

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.52		Crippen Method
logp	6.641		Crippen Method
rinpol	2557.80		NIST Webbook
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Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332783&Units=SI>

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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