

trans-Cinnamic acid, benzyldimethylsilyl ester

Inchi: InChI=1S/C18H20O2Si/c1-21(2,15-17-11-7-4-8-12-17)20-18(19)14-13-16-9-5-3-6-10-16/
InchiKey: HHLCTVZJHHVOAY-BUHFOSPRSA-N
Formula: C18H20O2Si
SMILES: C[Si](C)(Cc1ccccc1)OC(=O)C=Cc1ccccc1
Mol. weight [g/mol]: 296.44

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.58		Crippen Method
logp	4.230		Crippen Method
rinpol	2235.00		NIST Webbook
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Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U375812&Units=SI>

Legend

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

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<https://www.chemeo.com/cid/81-929-1/trans-Cinnamic-acid-benzyldimethylsilyl-ester.pdf>

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