

# Benzenepropanoic acid, «alpha»-[(trimethylsilyloxy)-, trimethylsilyl

Other names:  
ester

Hydrocinnamic acid, «alpha»-(trimethylsiloxy)-, trimethylsilyl ester

«beta»-Phenyllactic acid (tms)

Trimethylsilyl 3-phenyl-2-[(trimethylsilyloxy)]propanoate

«beta»-Phenyllactic acid (2TMS)

DL-3-Phenyllactic acid, trimethylsilyl ether, trimethylsilyl ester

Phenyllactic acid, TMS

Phenyllactic acid, bis-TMS

2-Hydroxy-3-phenylpropionic acid, TMS

Phenyllactic acid, diTBDMS

Tropic acid, bis-TMS

Tropic acid, TMS

3-Phenyllactic acid, 2tms derivative

Inchi:

InChI=1S/C15H26O3Si2/c1-19(2,3)17-14(15(16)18-20(4,5)6)12-13-10-8-7-9-11-13/h7-11

InchiKey:

BDAIEAHTVSLQPN-UHFFFAOYSA-N

Formula:

C15H26O3Si2

SMILES:

C[Si](C)(C)OC(=O)C(Cc1ccccc1)O[Si](C)(C)C

Mol. weight [g/mol]:

310.54

CAS:

27750-45-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.63		Crippen Method
logp	3.827		Crippen Method
rinpol	1582.00		NIST Webbook
rinpol	1577.00		NIST Webbook
rinpol	1579.00		NIST Webbook
rinpol	1599.00		NIST Webbook
rinpol	1582.00		NIST Webbook
rinpol	1600.00		NIST Webbook
rinpol	1580.00		NIST Webbook
rinpol	1581.00		NIST Webbook
rinpol	1600.00		NIST Webbook
rinpol	1578.90		NIST Webbook
rinpol	1583.00		NIST Webbook
rinpol	1580.00		NIST Webbook
rinpol	1602.00		NIST Webbook
rinpol	1595.00		NIST Webbook

rinpol	1610.00	NIST Webbook
rinpol	1578.90	NIST Webbook
rinpol	1602.00	NIST Webbook
rinpol	1600.00	NIST Webbook
rinpol	1610.00	NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C27750454&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C27750454&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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