

Zearalenone, bis(tert-butyldimethylsilyl) ether

Other names:	Zearalenone, 2tdms derivative
Inchi:	InChI=1S/C30H50O5Si2/c1-22-16-15-19-24(31)18-14-12-13-17-23-20-25(34-36(8,9)29(2
InchiKey:	DDFOYELSEGYRFS-GHRIWEEISA-N
Formula:	C30H50O5Si2
SMILES:	CC1CCCC(=O)CCCC=Cc2cc(O[Si](C)(C)C(C)(C)C)cc(O[Si](C)(C)C(C)(C)C)c2C(=O)O1
Mol. weight [g/mol]:	546.89

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.70		Crippen Method
logp	8.936		Crippen Method
rinsol	3331.00		NIST Webbook
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Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U334002&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/81-530-3/Zearalenone-bis-tert-butyldimethylsilyl-ether.pdf>

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