

Hydromorphone, tert-butyldimethylsilyl ether

Other names:	Hydromorphone, tbdms derivative
Inchi:	InChI=1S/C23H33NO3Si/c1-22(2,3)28(5,6)27-18-10-7-14-13-16-15-8-9-17(25)21-23(15,16)24
InchiKey:	KUWFPLDSIPVEIK-UHFFFAOYSA-N
Formula:	C ₂₃ H ₃₃ NO ₃ Si
SMILES:	CN1CCC23c4c5ccc(O[Si](C)(C)C(C)(C)C)c4OC2C(=O)CCC3C1C5
Mol. weight [g/mol]:	399.60

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.06		Crippen Method
logp	4.309		Crippen Method
rinpola	2822.50		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=U352953&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/58-256-4/Hydromorphone-tert-butyldimethylsilyl-ether.pdf>

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