

Morphinan, 7,8-didehydro-4,5-epoxy-17-methyl-3,6-bis[(trimethylsilyl)oxy]-(5 α »,6 α »)-

Other names: Morphine bis(trimethylsilyl)-
Morphine di-TMS derivative

Morphine bis-O-TMS

Morphine, bis-TMS

Morphine, diTMS

Morphine, bis(trimethylsilyl) derivative

Morphine, TMS

Hydromorphone, bis-TMS

Hydromorphone bis-O-TMS

Hydromorphone TMS

Morphine, 2tms derivative

Inchi: InChI=1S/C23H35NO3Si2/c1-24-13-12-23-16-9-11-19(27-29(5,6)7)22(23)25-21-18(26-28)

InchiKey: WGFFZYSWLVJOLB-UHFFFAOYSA-N

Formula: C23H35NO3Si2

SMILES: CN1CCC23c4c5ccc(O[Si](C)(C)C)c4OC2C(O[Si](C)(C)C)C=CC3C1C5

Mol. weight [g/mol]: 429.70

CAS: 55449-66-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.88		Crippen Method
logp	4.565		Crippen Method
rinqol	2513.00		NIST Webbook
rinqol	2550.00		NIST Webbook
rinqol	2513.00		NIST Webbook

Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55449666&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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