

GA19, MeTMS

Other names: GA19 methyl ester TMS ether
Gibberelline GA19, methyl ester TMS ether
Gibberellin GA19, methyl ester trimethylsilyl ether

Inchi: InChI=1S/C25H38O6Si/c1-16-13-24-14-25(16,31-32(5,6)7)12-9-17(24)23(15-26)11-8-10

InchiKey: LITPYBGNJGOPIR-WPTBREKFSA-N

Formula: C₂₅H₃₈O₆Si

SMILES: C=C1CC23CC1(O[Si](C)(C)C)CCC2C1(C=O)CCCC(C)(C(=O)OC)C1C3C(=O)OC

Mol. weight [g/mol]: 462.65

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.53		Crippen Method
logp	4.291		Crippen Method
rinpol	2612.00		NIST Webbook
rinpol	2615.00		NIST Webbook
rinpol	2588.00		NIST Webbook
rinpol	2595.00		NIST Webbook
rinpol	2590.00		NIST Webbook
rinpol	2596.00		NIST Webbook
rinpol	2619.00		NIST Webbook
rinpol	2620.00		NIST Webbook
rinpol	2612.00		NIST Webbook
rinpol	2612.00		NIST Webbook
rinpol	2576.00		NIST Webbook
rinpol	2582.00		NIST Webbook
rinpol	2582.00		NIST Webbook
rinpol	2579.00		NIST Webbook
rinpol	2625.00		NIST Webbook
rinpol	2630.00		NIST Webbook
rinpol	2600.00		NIST Webbook
rinpol	2600.00		NIST Webbook
rinpol	2605.00		NIST Webbook
rinpol	2606.00		NIST Webbook
rinpol	2618.00		NIST Webbook
rinpol	2620.00		NIST Webbook
rinpol	2596.00		NIST Webbook
rinpol	2601.00		NIST Webbook

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rinpol	2627.00	NIST Webbook
rinpol	2629.00	NIST Webbook
rinpol	2591.00	NIST Webbook
rinpol	2596.00	NIST Webbook
rinpol	2607.00	NIST Webbook
rinpol	2607.00	NIST Webbook
rinpol	2597.00	NIST Webbook
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rinpol	2600.00	NIST Webbook
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rinpol	2599.00	NIST Webbook
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rinpol	2596.00	NIST Webbook
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rinpol	2597.00	NIST Webbook
rinpol	2590.00	NIST Webbook
rinpol	2599.00	NIST Webbook
rinpol	2627.00	NIST Webbook
rinpol	2614.00	NIST Webbook

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=R79270&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/34-828-5/GA19-MeTMS.pdf>

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