

13-Tigloyloxylupanine

Inchi: InChI=1S/C20H30N2O3/c1-3-13(2)20(24)25-19-15-11-14(16-7-4-5-10-21(16)19)12-22-17
InchiKey: ZCUSRGNNIWPAKJ-SHFJJIPYSA-N
Formula: C20H30N2O3
SMILES: CC=C(C)C(=O)OC1C2CC(CN3C(=O)CCCC23)C2CCCCN21
Mol. weight [g/mol]: 346.46

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.75		Crippen Method
logp	2.707		Crippen Method
mcvol	273.890	ml/mol	McGowan Method
rinpola	2770.00		NIST Webbook
rinpola	2745.00		NIST Webbook
rinpola	2750.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R109138&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpola: Non-polar retention indices

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<https://www.chemeo.com/cid/37-518-6/13-Tigloyloxylupanine.pdf>

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