

Ipanguline C5

Inchi: InChI=1S/C23H35NO7/c1-7-14(3)20(25)30-16(5)23(6,28)22(27)29-13-17-9-11-24-12-10-
InchiKey: VSDNNRUBRVNXFZ-XIKQIGSHSA-N
Formula: C23H35NO7
SMILES: CC=C(C)C(=O)OC1CCN2CCC(COC(=O)C(C)(O)C(C)OC(=O)C(C)=CC)C12
Mol. weight [g/mol]: 437.53

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.57		Crippen Method
logp	2.151		Crippen Method
mcvol	342.780	ml/mol	McGowan Method
rinpol	2645.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R414207&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Legend

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

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<https://www.chemeo.com/cid/30-058-4/lpanguline-C5.pdf>

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