

Isonipecotic acid, N-acryloyl-, octadecyl ester

Inchi: InChI=1S/C27H49NO3/c1-3-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-24-31-27(30)25-2
InchiKey: VRRHNKZPNMPLGR-UHFFFAOYSA-N
Formula: C27H49NO3
SMILES: C=CC(=O)N1CCC(C(=O)OCCCCCCCCCCCCCCCCCCC)CC1
Mol. weight [g/mol]: 435.68

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.84		Crippen Method
logp	7.216		Crippen Method
mcvol	395.120	ml/mol	McGowan Method
rinpola	3460.00		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=U361067&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
rinpola: Non-polar retention indices

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