

Isonipectic acid, N-benzoyl-, octyl ester

Inchi: InChI=1S/C21H31NO3/c1-2-3-4-5-6-10-17-25-21(24)19-13-15-22(16-14-19)20(23)18-11-12
InchiKey: CJFKDDPXNPSSFU-UHFFFAOYSA-N
Formula: C21H31NO3
SMILES: CCCCCCOC(=O)C1CCN(C(=O)c2cccc2)CC1
Mol. weight [g/mol]: 345.48

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.15		Crippen Method
logp	4.442		Crippen Method
mcvol	291.120	ml/mol	McGowan Method
rinpol	2879.00		NIST Webbook
rinpol	2879.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U360978&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
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
rinpol: Non-polar retention indices

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