

Isonipecotic acid, N-(4-methylbenzoyl)-, isobutyl ester

Inchi:	InChI=1S/C18H25NO3/c1-13(2)12-22-18(21)16-8-10-19(11-9-16)17(20)15-6-4-14(3)5-7-
InchiKey:	NKIXMJZELMCXRO-UHFFFAOYSA-N
Formula:	C18H25NO3
SMILES:	<chem>Cc1ccc(C(=O)N2CCC(C(=O)OCC(C)C)CC2)cc1</chem>
Mol. weight [g/mol]:	303.40

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.71		Crippen Method
logp	3.046		Crippen Method
mcvol	248.850	ml/mol	McGowan Method
rinpola	2532.00		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=U361114&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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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