

2,6-Pyridinedicarboxylic acid, dodecyl 5-methoxy-3-methylpent-2-yl ester

Inchi:	InChI=1S/C26H43NO5/c1-5-6-7-8-9-10-11-12-13-14-19-31-25(28)23-16-15-17-24(27-23)
InchiKey:	BJEMRZZNODXGKM-UHFFFAOYSA-N
Formula:	C26H43NO5
SMILES:	CCCCCCCCCCCCOC(=O)c1cccc(C(=O)OC(C)C(C)CCOC)n1
Mol. weight [g/mol]:	449.62

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.80		Crippen Method
logp	6.377		Crippen Method
mcvol	384.170	ml/mol	McGowan Method
rinpole	3068.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U369178&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
rinpole:	Non-polar retention indices

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