2,6-Pyridinedicarboxylic acid, heptadecyl 4-octyl ester

Inchi: InChI=1S/C32H55NO4/c1-4-7-9-10-11-12-13-14-15-16-17-18-19-20-21-27-36-31(34)29-2

InchiKey: PNYGCTCDSBJMKJ-UHFFFAOYSA-N

Formula: C32H55NO4

SMILES: CCCCCCCCCCCCCCCCCCOC(=O)c1cccc(C(=O)OC(CCC)CCCC)n1

Mol. weight [g/mol]: 517.78

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.46		Crippen Method
logp	9.626		Crippen Method
mcvol	462.840	ml/mol	McGowan Method
rinpol	3371.00		NIST Webbook
rinpol	3371.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U368846&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.