d-Proline, N-methoxycarbonyl-, octadecyl ester

Inchi: InChI=1S/C25H47NO4/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-22-30-24(27)23-20

InchiKey: CKZJTSNWBODILS-UHFFFAOYSA-N

Formula: C25H47NO4

SMILES: CCCCCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)OC

Mol. weight [g/mol]: 425.64

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.57		Crippen Method
logp	7.022		Crippen Method
mcvol	377.110	ml/mol	McGowan Method
rinpol	2916.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U320800&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