

D-Proline, N-butoxycarbonyl-, tetradecyl ester

Inchi:	InChI=1S/C24H45NO4/c1-3-5-7-8-9-10-11-12-13-14-15-16-21-28-23(26)22-18-17-19-25
InchiKey:	RIQUKFSLWYAZJQ-UHFFFAOYSA-N
Formula:	C24H45NO4
SMILES:	CCCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)OCCCC
Mol. weight [g/mol]:	411.63

Physical Properties

Property code	Value	Unit	Source
hvap	121.75	kJ/mol	Cheméo Relay (1.0)
log10ws	-5.97		Cheméo Relay (1.0)
logp	6.632		Crippen Method
mcvol	363.020	ml/mol	McGowan Method
rinpol	2676.00		NIST Webbook
rinpol	2676.00		NIST Webbook
tb	661.61	K	Cheméo Relay (1.0)
tf	304.73		Cheméo Relay (1.0)

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U321091&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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