

# 1-Aminocyclopentanecarboxylic acid, N-(benzyloxycarbonyl)-, isoheptyl ester

**Inchi:** InChI=1S/C20H29NO4/c1-16(2)9-8-14-24-18(22)20(12-6-7-13-20)21-19(23)25-15-17-10-4  
**InchiKey:** QHAOCASRSRSJMG-UHFFFAOYSA-N  
**Formula:** C20H29NO4  
**SMILES:** CC(C)CCCOC(=O)C1(N=C(O)OCc2ccccc2)CCCC1  
**Mol. weight [g/mol]:** 347.45

## Physical Properties

Property code	Value	Unit	Source
hf	-605.98	kJ/mol	Joback Method
hvap	92.75	kJ/mol	Joback Method
log10ws	-4.99		Crippen Method
logp	4.409		Crippen Method
mcvol	282.900	ml/mol	McGowan Method
pc	1534.26	kPa	Joback Method
rinpol	2533.00		NIST Webbook
rinpol	2533.00		NIST Webbook
tb	966.21	K	Joback Method
tc	1192.23	K	Joback Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U392532&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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