

1-Aminocyclopentanecarboxylic acid, N-(but-3-yn-1-yloxycarbonyl)-, butyl ester

Inchi:	InChI=1S/C15H23NO4/c1-3-5-11-19-13(17)15(9-7-8-10-15)16-14(18)20-12-6-4-2/h2H,3,
InchiKey:	SVAKJDIPDQXEIA-UHFFFAOYSA-N
Formula:	C15H23NO4
SMILES:	C#CCCOC(O)=NC1(C(=O)OCCCC)CCCC1
Mol. weight [g/mol]:	281.35

Physical Properties

Property code	Value	Unit	Source
hf	-442.13	kJ/mol	Joback Method
hvap	79.59	kJ/mol	Joback Method
log10ws	-3.33		Crippen Method
logp	2.596		Crippen Method
mcvol	227.610	ml/mol	McGowan Method
pc	1950.95	kPa	Joback Method
rinsol	1918.00		NIST Webbook
rinsol	1918.00		NIST Webbook
tb	815.69	K	Joback Method
tc	1023.95	K	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
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=U392569&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

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

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