Benzamide, N-allyl-

Other names: Benzamide, N-2-propenyl-
Inchi: InChI=1S/C10H11NO/c1-2-8-11-10(12)9-6-4-3-5-7-9/h2-7H,1,8H2,(H,11,12)
InchiKey: KJVRLFWTIGWXFK-UHFFFAOYSA-N
Formula: C10H11NO
SMILES: C=CCN=C(O)c1ccccc1
Mol. weight [g/mol]: 161.20
CAS: 10283-95-1

Physical Properties

Property code	Value	Unit	Source
hf	32.43	kJ/mol	Joback Method
hvap	59.53	kJ/mol	Joback Method
log10ws	-2.05		Crippen Method
logp	2.177		Crippen Method
mcvol	135.250	ml/mol	McGowan Method
pc	3042.32	kPa	Joback Method
rinpol	1483.00		NIST Webbook
rinpol	1483.00		NIST Webbook
tb	620.30	K	Joback Method
tc	835.55	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C10283951&Units=SI

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