1-Allyl-1-[(allylamino)carbonyl]-2-oxohydrazine

Inchi: InChI=1S/C7H11N3O2/c1-3-5-8-7(11)10(9-12)6-4-2/h3-4H,1-2,5-6H2,(H,8,11)
InchiKey: VATFUJDGSBMXGZ-UHFFFAOYSA-N
Formula: C7H11N3O2
SMILES: C=CCNC(=O)N(CC=C)N=O
Mol. weight [g/mol]: 169.18
CAS: 60285-29-2

Physical Properties

Property code	Value	Unit	Source
hf	-96.72	kJ/mol	Joback Method
hvap	54.16	kJ/mol	Joback Method
log10ws	-2.16		Crippen Method
logp	1.051		Crippen Method
mcvol	133.970	ml/mol	McGowan Method
pc	3265.31	kPa	Joback Method
tb	532.80	K	Joback Method
tc	717.32	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=C60285292&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature