1-PHENAZINECARBOHYDRAZIDE

Other names: 1-Phenazinecarboxylic acid hydrazide
Inchi: InChI=1S/C13H10N4O/c14-17-13(18)8-4-3-7-11-12(8)16-10-6-2-1-5-9(10)15-11/h1-7H,1
InchiKey: HHMALMVKWZOZLO-UHFFFAOYSA-N
Formula: C13H10N4O
SMILES: NNC(=O)c1cccc2nc3ccccc3nc12
Mol. weight [g/mol]: 238.25

Physical Properties

Property code	Value	Unit	Source
logp	1.387		Crippen Method
mcvol	172.840	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	27.62	kJ/mol	505.00	NIST Webbook

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14031131&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):

Legend

hfust: Enthalpy of fusion at a given temperature

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume