

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)c1cccc2nc3cccc3nc12
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/ci990307I>

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

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