

2-Furancarboxylic acid, hydrazide

Other names:	2-Furoic acid, hydrazide Furoic acid, hydrazide Furoylhydrazide 2-Furancarbohydrazonic acid 2-Furoylhydrazide 2-Furylcarbonylhydrazide 2-Furylcarboxylic acid hydrazide 2-Furohydrazide 2-Furancarbohydrazide 2-Furancarboxyl hydrazide 2-Furoic hydrazide NSC 11957 NSC 35574 Pyromucic acid hydrazide
Inchi:	InChI=1S/C5H6N2O2/c6-7-5(8)4-2-1-3-9-4/h1-3H,6H2,(H,7,8)
InchiKey:	SKTSVWWOAIKI-UHFFFAOYSA-N
Formula:	C5H6N2O2
SMILES:	<chem>NNC(=O)c1ccco1</chem>
Mol. weight [g/mol]:	126.11
CAS:	3326-71-4

Physical Properties

Property code	Value	Unit	Source
hsub	99.00 ± 0.70	kJ/mol	NIST Webbook
log10ws	-5.56		Crippen Method
logp	-0.117		Crippen Method
mvol	89.250	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	98.10 ± 0.70	kJ/mol	317.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3326714&Units=SI

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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