

Furazan, dimethyl-

Other names:	Furazan, 3,4-dimethyl- 3,4-Dimethyl-1,2,5-oxadiazole 3,4-Dimethylfurazan Dimethylfurazan
Inchi:	InChI=1S/C4H6N2O/c1-3-4(2)6-7-5-3/h1-2H3
InchiKey:	JKJSZGJVBAWEFB-UHFFFAOYSA-N
Formula:	C4H6N2O
SMILES:	Cc1nonc1C
Mol. weight [g/mol]:	98.10
CAS:	4975-21-7

Physical Properties

Property code	Value	Unit	Source
chl	-2488.00 ± 4.00	kJ/mol	NIST Webbook
hf	107.00 ± 4.60	kJ/mol	NIST Webbook
hfl	56.00 ± 4.00	kJ/mol	NIST Webbook
hvap	51.00 ± 0.80	kJ/mol	NIST Webbook
log10ws	-5.69		Crippen Method
logp	0.686		Crippen Method
mcvol	73.590	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	51.10	kJ/mol	390.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4975217&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
h_{vapt}:	Enthalpy of vaporization at a given temperature
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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