

Acetamide, 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)

Other names:	Curzate 2-Cyano-N-((ethylamino)carbonyl)-2-(methoxyimino)-acetamide DPX 3217 DPX 3217M 1-(2-Cyano-2-methoxyiminoacetyl)-3-ethylurea Cymoxanil
Inchi:	InChI=1S/C7H10N4O3/c1-3-9-7(13)10-6(12)5(4-8)11-14-2/h3H2,1-2H3,(H2,9,10,12,13)
InchiKey:	XERJKGMBORTKEO-UHFFFAOYSA-N
Formula:	C7H10N4O3
SMILES:	CCNC(=O)NC(=O)C(C#N)=NOC
Mol. weight [g/mol]:	198.18
CAS:	57966-95-7

Physical Properties

Property code	Value	Unit	Source
hf	-200.94	kJ/mol	Joback Method
hvap	73.82	kJ/mol	Joback Method
log10ws	-0.77		Crippen Method
logp	-0.642		Crippen Method
mcvol	145.520	ml/mol	McGowan Method
pc	2829.33	kPa	Joback Method
tb	768.70	K	Joback Method
tc	987.95	K	Joback Method

Sources

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=C57966957&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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