

2-Pyrrolidinone, 1-cyclohexyl-

Other names:	1-Cyclohexyl-2-pyrrolidinone 1-Cyclohexyl-2-pyrrolidone CHP Cyclohexyl-2-pyrrolidone N-Cyclohexylpyrrolidone N-cyclohexylpyrrolidinone pyrrolidinone, N-cyclohexyl-
Inchi:	InChI=1S/C10H17NO/c12-10-7-4-8-11(10)9-5-2-1-3-6-9/h9H,1-8H2
InchiKey:	PZYDAVFRVJXFHS-UHFFFAOYSA-N
Formula:	C10H17NO
SMILES:	O=C1CCCN1C1CCCCC1
Mol. weight [g/mol]:	167.25

Physical Properties

Property code	Value	Unit	Source
logp	1.942		Crippen Method
mcvol	141.590	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rfi	1.49750		298.15	Liquid liquid equilibria of lactam containing binary systems

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Liquid liquid equilibria of lactam containing binary systems: <https://www.doi.org/10.1016/j.fluid.2008.02.008>

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C6837247&Units=SI>
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Legend

logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rfi: Refractive Index

Latest version available from:

<https://www.chemeo.com/cid/94-246-5/2-Pyrrolidinone-1-cyclohexyl.pdf>

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