

# Temazepam

<b>Other names:</b>	2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro-3-hydroxy-1-methyl-5-phenyl- Crisonar ER 115 K-3917 Levanxene Levanxol Methyloxazepam N-Methyloxazepam Oxydiazepam Ro 5-5345 Wy-3917 3-Hydroxydiazepam Euhypnos Hydroxydiazepam Mabertin Restoril Signopam 7-Chloro-1,3-dihydro-3-hydroxy-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one 2H-1,4-Benzodiazepin-2-one, 1,3-dihydro-7-chloro-3-hydroxy-1-methyl-5-phenyl- Cerepax 1,3-Dihydro-7-chloro-3-hydroxy-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one Normison Planum Remestan Euipnos Gelthix Levanzene Perdorm Ro-5-5354 Diazepam, 3-hydroxy NSC 246303 Tenox 7-Chloro-1,3-dihydro-3-hydroxy-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one (temazepam)
<b>Inchi:</b>	InChI=1S/C16H13ClN2O2/c1-19-13-8-7-11(17)9-12(13)14(18-15(20)16(19)21)10-5-3-2-4
<b>InchiKey:</b>	SEQDDYPDSLOBDC-UHFFFAOYSA-N
<b>Formula:</b>	C16H13ClN2O2
<b>SMILES:</b>	CN1C(=O)C(O)N=C(c2ccccc2)c2cc(Cl)ccc21
<b>Mol. weight [g/mol]:</b>	300.74
<b>CAS:</b>	846-50-4

# Physical Properties

Property code	Value	Unit	Source
log10ws	-3.39		Crippen Method
logp	2.472		Crippen Method
mcvol	213.260	ml/mol	McGowan Method
rinpol	2600.00		NIST Webbook
rinpol	2613.00		NIST Webbook
rinpol	2589.00		NIST Webbook
rinpol	2588.00		NIST Webbook
rinpol	2691.50		NIST Webbook
rinpol	2589.00		NIST Webbook
rinpol	2554.00		NIST Webbook
rinpol	2554.00		NIST Webbook
rinpol	2575.00		NIST Webbook
rinpol	2613.00		NIST Webbook
rinpol	2590.00		NIST Webbook
rinpol	2595.00		NIST Webbook
rinpol	2595.00		NIST Webbook

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	27.40	kJ/mol	432.60	NIST Webbook
hfust	25.58	kJ/mol	432.50	NIST Webbook

# Sources

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:**

[https://www.chemeo.com/doc/models/crippen\\_log10ws](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=C846504&Units=SI>

# Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpol:</b>	Non-polar retention indices

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