

# Carfenazine

<b>Other names:</b>	Carphenazine 1-Propanone, 1-[10-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]-10H-phenothiazin-2-yl]- 1-Propanone, 1-[10-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]phenothiazin-2-yl]- Carphenazin Procethazine Proketazine 1-[10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]phenothiazin-2-yl]-1-propanone 2975-34-0 (maleate)
<b>Inchi:</b>	InChI=1S/C24H31N3O2S/c1-2-22(29)19-8-9-24-21(18-19)27(20-6-3-4-7-23(20)30-24)11
<b>InchiKey:</b>	XZSMZRXAEFNJCU-UHFFFAOYSA-N
<b>Formula:</b>	C24H31N3O2S
<b>SMILES:</b>	CCC(=O)c1ccc2c(c1)N(CCCN1CCN(CCO)CC1)c1cccc1S2
<b>Mol. weight [g/mol]:</b>	425.59
<b>CAS:</b>	2622-30-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.56		Crippen Method
logp	3.882		Crippen Method
mcvol	333.510	ml/mol	McGowan Method
rinpol	3590.00		NIST Webbook
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## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C2622302&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2622302&amp;Units=SI</a>

# Legend

<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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