

# 2-(2-Nitrovinyl)furan

<b>Other names:</b>	1-(2-Furyl)-2-nitroethylene «beta»-Nitrovinylfuran Ethylene, 1-(2-furyl)-2-nitro- Furan, 2-(2-nitroethenyl)- Furan, 2-(2-nitrovinyl)- 2-Furylnitroethylene 1-(Fur-2-yl)-2-nitroethene 2-(Furan-2-yl)nitroethylene NSC 5650
<b>Inchi:</b>	InChI=1S/C6H5NO3/c8-7(9)4-3-6-2-1-5-10-6/h1-5H/b4-3+
<b>InchiKey:</b>	WVUICGOYGDHVBH-ONEGZZNKSA-N
<b>Formula:</b>	C6H5NO3
<b>SMILES:</b>	O=[N+](O-)C=Cc1ccco1
<b>Mol. weight [g/mol]:</b>	139.11
<b>CAS:</b>	699-18-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.61		Crippen Method
logp	1.527		Crippen Method
mcvol	94.930	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C699183&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C699183&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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