

# Thiocyanic acid, 2-propynyl ester

<b>Other names:</b>	2-Propynyl thiocyanate
<b>Inchi:</b>	InChI=1S/C4H3NS/c1-2-3-5-4-6/h1H,3H2
<b>InchiKey:</b>	XCXOHPXTLZMKQJ-UHFFFAOYSA-N
<b>Formula:</b>	C4H3NS
<b>SMILES:</b>	C#CCN=C=S
<b>Mol. weight [g/mol]:</b>	97.14
<b>CAS:</b>	24309-48-6

## Physical Properties

Property code	Value	Unit	Source
hf	450.08	kJ/mol	Joback Method
hvap	34.80	kJ/mol	Joback Method
log10ws	-1.22		Crippen Method
logp	0.722		Crippen Method
mcvol	76.350	ml/mol	McGowan Method
pc	4876.56	kPa	Joback Method
tb	426.99	K	Joback Method
tc	665.79	K	Joback Method

## Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</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=C24309486&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C24309486&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions

<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>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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