

# Naphthalene, 1-azido-

<b>Other names:</b>	«alpha»-Naphthyl azide 1-Azidonaphthalene 1-Naphthyl azide
<b>Inchi:</b>	InChI=1S/C10H7N3/c11-13-12-10-7-3-5-8-4-1-2-6-9(8)10/h1-7H
<b>InchiKey:</b>	HYISGPFBRUIUNB-UHFFFAOYSA-N
<b>Formula:</b>	C10H7N3
<b>SMILES:</b>	[N-]=[N+]=Nc1cccc2ccccc12
<b>Mol. weight [g/mol]:</b>	169.18
<b>CAS:</b>	6921-40-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.93		Crippen Method
logp	3.782		Crippen Method
mcvol	129.880	ml/mol	McGowan Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	350.50 ± 2.50	K	0.00	NIST Webbook

## Sources

<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=C6921400&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6921400&amp;Units=SI</a>
<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>

# 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>tbrp:</b>	Boiling point at reduced pressure

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