

Azide anion

Other names:	Azide, negative ion Azide N ₃
Inchi:	InChI=1S/N3/c1-3-2/q-1
InchiKey:	IVRMZWNICZWHMI-UHFFFAOYSA-N
Formula:	N ₃ ⁻
SMILES:	[N-]=[N+]=[N-]
Mol. weight [g/mol]:	42.02
CAS:	14343-69-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.99		Crippen Method
logp	0.866		Crippen Method
mcvol	30.050	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14343692&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

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

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<https://www.chemeo.com/cid/33-316-4/Azide-anion.pdf>

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