Amidogen, methylene-

Inchi:	InChI=1S/CH2N/c1-2/h1H2
InchiKey:	PZIDJKOIMRBQLL-UHFFFAOYSA-N
Formula:	CH2N
SMILES:	C=[N]
Mol. weight [g/mol]:	28.03
CAS:	15845-29-1

Physical Properties

Property code	Value	Unit	Source
ea	0.51 ± 0.01	eV	NIST Webbook
ea	0.51 ± 0.07	eV	NIST Webbook
ie	9.40 ± 0.10	eV	NIST Webbook
log10ws	5.03		Crippen Method
logp	-0.513		Crippen Method
mcvol	28.480	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15845291&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

ea:	Electron affinity
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

https://www.chemeo.com/cid/23-013-1/Amidogen-methylene.pdf

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