HCBr radical

Inchi: InChI=1S/CHBr/c1-2/h1H
InchiKey: PRCFIJGWTCBHPP-UHFFFAOYSA-N
Formula: CHBr
SMILES: [CH]Br
Mol. weight [g/mol]: 92.92
CAS: 17141-28-5

Physical Properties

Property code	Value	Unit	Source
ea	1.45 ± 0.01	eV	NIST Webbook
ea	1.56 ± 0.01	eV	NIST Webbook
log10ws	-0.73		Crippen Method
logp	1.050		Crippen Method
mcvol	38.150	ml/mol	McGowan Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17141285&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ea: Electron affinity
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/64-887-7/HCBr-radical.pdf

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