

HCO₂ anion

Inchi:	InChI=1S/CH2O2/c2-1-3/h1H,(H,2,3)/p-1
InchiKey:	BDAGIHXWWSANSR-UHFFFAOYSA-M
Formula:	CHO ₂ ⁻
SMILES:	O=C[O ⁻]
Mol. weight [g/mol]:	45.02
CAS:	71-47-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.04		Crippen Method
logp	-1.634		Crippen Method
mcvol	30.240	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C71476&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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

Latest version available from:

<https://www.chemeo.com/cid/34-780-8/HCO2-anion.pdf>

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