

Methaneperoxoic acid

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|-----------------------------|-------------------------------|
| Other names: | HC(O)OOH |
| Inchi: | InChI=1S/CH2O3/c2-1-4-3/h1,3H |
| InchiKey: | SCKXCAADGDQQCS-UHFFFAOYSA-N |
| Formula: | CH2O3 |
| SMILES: | [O]OC=O |
| Mol. weight [g/mol]: | 62.02 |
| CAS: | 107-32-4 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|--------|--------|----------------|
| log10ws | -3.98 | | Crippen Method |
| logp | -0.495 | | Crippen Method |
| mcvol | 36.110 | ml/mol | McGowan Method |

Sources

| | |
|------------------------|---|
| 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 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C107324&Units=SI |

Legend

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

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