

# NO3 anion

|                      |                             |
|----------------------|-----------------------------|
| Inchi:               | InChI=1S/NO3/c2-1(3)4/q-1   |
| InchiKey:            | NHNBFGGVMKEFGY-UHFFFAOYSA-N |
| Formula:             | NO3-                        |
| SMILES:              | O=[N+]([O-])[O-]            |
| Mol. weight [g/mol]: | 62.01                       |
| CAS:                 | 14797-55-8                  |

## Physical Properties

| Property code | Value  | Unit   | Source         |
|---------------|--------|--------|----------------|
| log10ws       | -0.97  |        | Crippen Method |
| logp          | -0.239 |        | Crippen Method |
| mcvol         | 32.000 | ml/mol | McGowan Method |

## Sources

|                 |                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| McGowan Method: | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                         |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C14797558&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14797558&amp;Units=SI</a> |
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                     |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |

## Legend

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

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