

N,n-dimethyl-p-methyl phosphonamidic acid, n-propyl ester

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|----------------------|-------------------------------------------------------|
| Inchi: | InChI=1S/C6H16NO2P/c1-5-6-9-10(4,8)7(2)3/h5-6H2,1-4H3 |
| InchiKey: | DOVSFLRZJMVYQH-UHFFFAOYSA-N |
| Formula: | C6H16NO2P |
| SMILES: | CCCOP(C)(=O)N(C)C |
| Mol. weight [g/mol]: | 165.17 |
| CAS: | 2511-27-5 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -2.27 | | Crippen Method |
| logp | 1.797 | | Crippen Method |
| mcvol | 137.580 | 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=C2511275&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |

Legend

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

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