

Butyramide, n-(5-sulfamoyl-1,3,4-thiadiazol-2-yl)-

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|----------------------|--|
| Inchi: | InChI=1S/C6H10N4O3S2/c1-2-3-4(11)8-5-9-10-6(14-5)15(7,12)13/h2-3H2,1H3,(H2,7,12) |
| InchiKey: | HZIYHIRJHYIRQO-UHFFFAOYSA-N |
| Formula: | C6H10N4O3S2 |
| SMILES: | CCCC(O)=Nc1nnc(S(N)(=O)=O)s1 |
| Mol. weight [g/mol]: | 250.30 |
| CAS: | 16790-49-1 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -1.68 | | Crippen Method |
| logp | 0.574 | | Crippen Method |
| mcvol | 161.870 | 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=C16790491&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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