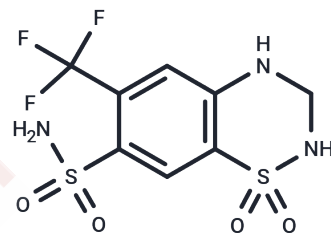


## Hydroflumethiazide

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 135-09-1  |
| Formula:          | C <sub>8</sub> H <sub>8</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>                           |
| Molecular Weight: | 331.29  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Hydroflumethiazide is an orally active thiazide diuretic that can directly stimulate the secretory function of pancreatic A cells in normal pancreas and in alloxan-induced diabetes models. |
| Targets(IC50) | Others   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | H <sub>2</sub> O: Insoluble,<br>DMSO: 100 mg/mL (301.85 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 3.0185 mL | 15.0925 mL | 30.185 mL |
| 5 mM  | 0.6037 mL | 3.0185 mL  | 6.037 mL  |
| 10 mM | 0.3019 mL | 1.5093 mL  | 3.0185 mL |
| 50 mM | 0.0604 mL | 0.3019 mL  | 0.6037 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

- Selvaag E, et al. Phototoxicity to sulphonamide derived oral antidiabetics and diuretics. Comparative in vitro and in vivo investigations. *In Vivo*. 1997 Jan-Feb;11(1):103-7.
- Brørs O, et al. Pharmacokinetics of a single oral dose of hydroflumethiazide in health and in cardiac failure.-. *Eur J Clin Pharmacol*. 1978 Nov 9;14(1):29-37.
- Hermansen K, et al. Effects of a thiazide diuretic (hydroflumethiazide) and a loop diuretic (bumetanide) on the endocrine pancreas: studies in vitro. *Metabolism*. 1985 Aug;34(8):784-9.
- Corrigan OI, Holohan EM. Amorphous spray-dried hydroflumethiazide-polyvinylpyrrolidone systems: physicochemical properties. *J Pharm Pharmacol*. 1984 Apr;36(4):217-21. PubMed PMID: 6144766.

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