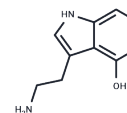
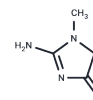


4-Hydroxytryptamine creatinine sulfate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 55206-11-6 |
| Formula: | C ₁₄ H ₂₁ N ₅ O ₆ S |
| Molecular Weight: | 387.41 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | 4-Hydroxytryptamine creatinine sulfate, a derivative of tryptamine, acts as an agonist for neurotransmitters. |
| Targets(IC50) | Others,Endogenous Metabolite |
| In vivo | 4-Hydroxytryptamine creatinine sulfate administered intravenously via the tail vein, alongside a constant dose of [3 H] norepinephrine, to 17-20 g male albino mice, reduces the uptake of [3 H] norepinephrine, exhibiting an effective dose (ED50) of 35 µmoles/kg [1]. When given as a subcutaneous injection, with a pretreatment of [3 H] norepinephrine administered intravenously 60 minutes prior, it elevates the ED50 to 21 µmoles/kg for the release of [3 H] norepinephrine in monoamine oxidase-inhibited mice[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5812 mL | 12.9062 mL | 25.8124 mL |
| 5 mM | 0.5162 mL | 2.5812 mL | 5.1625 mL |
| 10 mM | 0.2581 mL | 1.2906 mL | 2.5812 mL |
| 50 mM | 0.0516 mL | 0.2581 mL | 0.5162 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

Creveling CR, et al. Dihydroxytryptamines: effects on noradrenergic function in mouse heart in vivo. Mol Pharmacol. 1975 Mar;11(2):211-22.

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