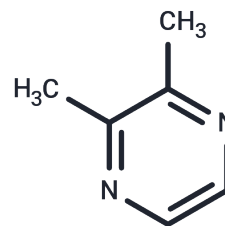


2,3-Dimethylpyrazine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 5910-89-4 |
| Formula: | C ₆ H ₈ N ₂ |
| Molecular Weight: | 108.14 |
| Storage: | Pure form: -20°C for 3 years In solvent: -80°C for 1 year |

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | 2,3-Dimethylpyrazine is a pyrazine derivative widely used in biochemical experiments and drug synthesis research. |
| Targets(IC50) | Others |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 80 mg/mL (739.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (30.52 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 9.2473 mL | 46.2364 mL | 92.4727 mL |
| 5 mM | 1.8495 mL | 9.2473 mL | 18.4945 mL |
| 10 mM | 0.9247 mL | 4.6236 mL | 9.2473 mL |
| 50 mM | 0.1849 mL | 0.9247 mL | 1.8495 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

Lengyel J, et al. Antiferroelectric Phase Transition in a Proton-Transfer Salt of Squaric Acid and 2,3-Dimethylpyrazine. J Am Chem Soc. 2019 Oct 16;141(41):16279-16287.

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