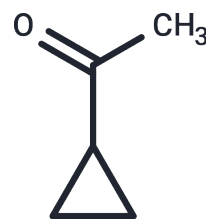


Cyclopropyl methyl ketone

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 765-43-5 |
| Formula: | C ₅ H ₈ O |
| Molecular Weight: | 84.12 |
| 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 | Cyclopropyl methyl ketone is a ketone compound widely used in biochemical experiments and drug synthesis research. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 11.8878 mL | 59.4389 mL | 118.8778 mL |
| 5 mM | 2.3776 mL | 11.8878 mL | 23.7756 mL |
| 10 mM | 1.1888 mL | 5.9439 mL | 11.8878 mL |
| 50 mM | 0.2378 mL | 1.1888 mL | 2.3776 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

- Khan GM, et al. Preparation and evaluation of 5, 9-dimethyl-2-cyclopropyl-2-decanol as a penetration enhancer for drugs through rat skin. Pak J Pharm Sci. 2011 Oct;24(4):451-7.
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- Pati K, et al. Ag(I)-catalyzed carbon-carbon bond formation between a ketone and an allylic C-H bond. Chem Commun (Camb). 2012 Jun 18;48(48):6049-51.
- Kazuta Y, et al. A systematic study of the hydride reduction of cyclopropyl ketones with structurally simplified substrates. highly stereoselective reductions of trans-substituted cyclopropyl ketones via the bisected s-cis conformation. J Org Chem. 2003 May 2;68(9):3511-21.

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