

Coprine

Chemical Properties

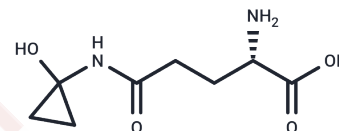
CAS No. : 58919-61-2

Formula: C₈H₁₄N₂O₄

Molecular Weight: 202.21

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 | Coprine is a poisonous toxin that exists in mushrooms resulting in coprinus syndrome. |
| Targets(IC50) | Others,Dehydrogenase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.9454 mL | 24.7268 mL | 49.4535 mL |
| 5 mM | 0.9891 mL | 4.9454 mL | 9.8907 mL |
| 10 mM | 0.4945 mL | 2.4727 mL | 4.9454 mL |
| 50 mM | 0.0989 mL | 0.4945 mL | 0.9891 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

- Kamijo Y. [Clinical toxicology of mushroom poisoning. *Clitocybe clavipes*, *Coprinopsis atramentarius*]. *Chudoku Kenkyu*. 2013 Sep;26(3):223-5. Review. Japanese. PubMed PMID: 24224386.
- Haberl B, Pfab R, Berndt S, Greifenhagen C, Zilker T. Case series: Alcohol intolerance with Coprine-like syndrome after consumption of the mushroom *Lepiota aspera* (Pers.:Fr.) Quél., 1886 (Freckled Dapperling). *Clin Toxicol (Phila)*. 2011 Feb;49(2):113-4. doi: 10.3109/15563650.2011.554840. PubMed PMID: 21370948.
- Saviuc P, Flesch F. [Acute higher fungi mushroom poisoning and its treatment]. *Presse Med*. 2003 Sep 20;32(30):1427-35. Review. French. PubMed PMID: 14534493.
- Hender E, May T, Beulke S. Poisoning due to eating fungi in Victoria. *Aust Fam Physician*. 2000 Oct;29(10):1000-4. PubMed PMID: 11059094.

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