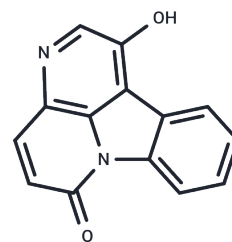


1-Hydroxycanthin-6-one

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 80787-59-3 |
| Formula: | C ₁₄ H ₈ N ₂ O ₂ |
| Molecular Weight: | 236.23 |
| 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 | 1-Hydroxycanthin-6-one is an alkaloid and secondary metabolite isolated from the <i>Ailanthus giraldii</i> plant of the family Ailanthaceae; it serves as an important lead compound for studying the structural diversity and potential pharmacological effects of natural products. |
| Targets(IC50) | Others |
| In vitro | In phytochemical studies, 1-Hydroxycanthin-6-one was isolated and characterized as part of the chemical constituent analysis of <i>Ailanthus giraldii</i> . As a characteristic secondary metabolite, it holds significant value for chemical ecology research within the Simaroubaceae family [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.2332 mL | 21.1658 mL | 42.3316 mL |
| 5 mM | 0.8466 mL | 4.2332 mL | 8.4663 mL |
| 10 mM | 0.4233 mL | 2.1166 mL | 4.2332 mL |
| 50 mM | 0.0847 mL | 0.4233 mL | 0.8466 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 SA, et, al. 1-Hydroxycanthin-6-one, an alkaloid from *Ailanthus giraldii*. *Phytochemistry*. Volume 20, Issue 8, 1981, Pages 2062-2063.

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