

Canthin-6-one

Chemical Properties

CAS No. : 479-43-6

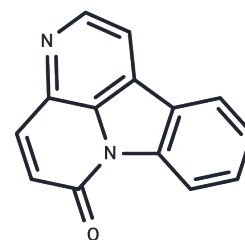
Formula: C₁₄H₈N₂O

Molecular Weight: 220.23

Storage: Store at low temperature, Keep away from direct sunlight

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	Canthin-6-one (NSC 103003) is an alkaloid isolated from <i>Allium neapolitanum</i> with antibacterial activity and inhibitory effect against <i>Mycobacterium tuberculosis</i> .
Targets(IC50)	NF-κB, Akt, Antibacterial, NO Synthase, Antifungal, COX
In vitro	Canthin-6-one alkaloids inhibit NO release from RAW264.7 cells in a dose-dependent manner.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5407 mL	22.7035 mL	45.4071 mL
5 mM	0.9081 mL	4.5407 mL	9.0814 mL
10 mM	0.4541 mL	2.2704 mL	4.5407 mL
50 mM	0.0908 mL	0.4541 mL	0.9081 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

O'Donnell G, Gibbons S. Antibacterial activity of two canthin-6-one alkaloids from *Allium neapolitanum*. *Phyther Res.* 2007;21(7):653-657.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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