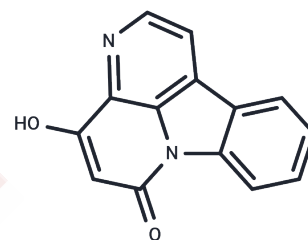


## 4-Hydroxycanthin-6-one

## Chemical Properties

CAS No. :	106941-27-9
Formula:	C <sub>14</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>
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	4-Hydroxycanthin-6-one is a novel quinoline alkaloid isolated from the stem bark of <i>Ailanthus altissima</i> . Additionally, five other known compounds were identified. The structure of the new compound was established through analysis of physical and spectral data, and its absolute configuration was determined using electronic circular dichroism and quantum chemical calculations. These compounds exhibit significant inhibitory activity on lipopolysaccharide (LPS)-induced nitric oxide (NO) production in RAW 264.7 cells, indicating potential anti-inflammatory properties.
Targets(IC50)	Others

## 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.

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