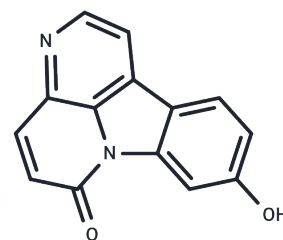


## 9-Hydroxycanthin-6-one

## Chemical Properties

CAS No. :	138544-91-9
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	9-Hydroxycanthin-6-one might be the active component that contributed to the aphrodisiac effect of <i>E. longifolia</i> by antagonizing the smooth muscle tone of CC as well as SV probably through interfering with Ca <sup>2+</sup> mobilization. 9-Hydroxycanthin-6-one inhibits Wnt signaling through the activation of GSK3 $\beta$ independent of CK1 $\alpha$ .
Targets(IC50)	Calcium Channel, NF- $\kappa$ B, GSK-3, Potassium Channel, Wnt/beta-catenin

## 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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