

## Data Sheet (Cat.No.TN4226)

Hopeyhopin

### Chemical Properties

CAS No.:	63975-56-4
Formula:	C <sub>15</sub> H <sub>14</sub> O <sub>5</sub>
Molecular Weight:	274.27
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

### Biological Description

Description	Hopeyhopin is a natural product from <i>Micromelum falcatum</i> .
Targets(IC <sub>50</sub> )	Others: None
In vitro	METHODS AND RESULTS: Two coumarins, hystrixarin (1) and (+)-Hopeyhopin (2); a benzenoid derivative, hystroxene-1 (3) and a quinolinone alkaloid, hystrolinone (4), along with 33 known compounds were isolated from the crude acetone extract of the roots of <i>Citrus hystrix</i> . CONCLUSIONS: Their structures were determined by analysis of 1D and 2D NMR spectroscopic data. The antioxidant, anti-HIV and antibacterial activities of the isolated compounds were also evaluated.

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.646 mL	18.230 mL	36.460 mL
5 mM	0.729 mL	3.646 mL	7.292 mL
10 mM	0.365 mL	1.823 mL	3.646 mL
50 mM	0.073 mL	0.365 mL	0.729 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Benzene, coumarin and quinolinone derivatives from roots of *Citrus hystrix*. *Phytochemistry*. 2013 Apr;88:79-84.

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