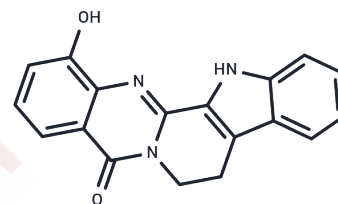


## 1-Hydroxyrutaecarpine

## Chemical Properties

CAS No. :	53600-24-1
Formula:	C <sub>18</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	303.321
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-Hydroxyrutaecarpine exhibits cytotoxicities (ED50 values < 4 microg/mL) against P-388 or HT-29 cell lines in vitro.
Targets(IC50)	Others
In vitro	Three new alkaloids, 7,8-dehydro-1-methoxyrutaecarpine, isodecarine, and 8-demethyloxychelerythrine, together with sixteen known compounds, norchelerythrine, oxychelerythrine, decarine, dihydrocherythrylinaldehyde, 6-acetonyldihydrochelerythrine, rutaecarpine, 1-Hydroxyrutaecarpine, gamma-fagarine, skimmianine, (-)-matairesinol, (-)-isoarctigenin, (+)-epipinoresinol, d-sesamin, lupeol, canthin-6-one, and arnottianamide have been isolated from the root bark of Zanthoxylum integrifoliolum. The structures of these new compounds were determined through spectral analyses[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2968 mL	16.4842 mL	32.9685 mL
5 mM	0.6594 mL	3.2968 mL	6.5937 mL
10 mM	0.3297 mL	1.6484 mL	3.2968 mL
50 mM	0.0659 mL	0.3297 mL	0.6594 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

New indolopyridoquinazoline, benzo[c]phenanthridines and cytotoxic constituents from Zanthoxylum integrifoliolum. Planta Med. 2005 May;71(5):470-5.

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