

## Dihydroseselin

## Chemical Properties

CAS No. : 2221-66-1

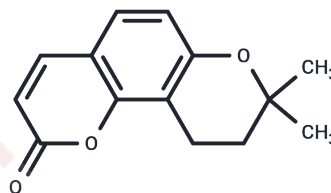
Formula: C<sub>14</sub>H<sub>14</sub>O<sub>3</sub>

Molecular Weight: 230.26

Store at low temperature

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	Dihydroseselin (8,8-dimethyl-9,10-dihydropyrano[2,3-h]chromen-2-one) is a coumarin derived from the roots of Toddalia.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 3.6 mg/mL (15.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3429 mL	21.7146 mL	43.4292 mL
5 mM	0.8686 mL	4.3429 mL	8.6858 mL
10 mM	0.4343 mL	2.1715 mL	4.3429 mL
50 mM	0.0869 mL	0.4343 mL	0.8686 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

Jetter, M. M., et al. Novel syntheses of dihydroxanthyletin and dihydroseselin derivatives. Journal of Heterocyclic Chemistry, 1990:27(4), 995-997.

Lee TT, et al. Suksdorfin: an anti-HIV principle from Lomatium suksdorfii, its structure-activity correlation with related coumarins, and synergistic effects with anti-AIDS nucleosides. Bioorg Med Chem. 1994 Oct;2(10):1051-6.

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