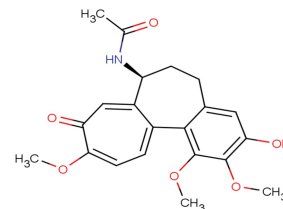


3-demethylcolchicine

Chemical Properties

CAS No.:	7336-33-6
Formula:	C ₂₁ H ₂₃ NO ₆
Molecular Weight:	385.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	3-demethylcolchicine is a natural product isolated from <i>Gloriosa superba</i> . Inhibitory effect on the polymerization of purified bovine brain tubulin.
In vitro	3-demethylcolchicine showed an appreciable effect in vitro and in vivo, in the lymphocytic leukemia P388 screen in mice, for their toxicity in mice, and for their binding to microtubule protein.

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	2.595 mL	12.974 mL	25.947 mL
5 mM	0.519 mL	2.595 mL	5.189 mL
10 mM	0.259 mL	1.297 mL	2.595 mL
50 mM	0.052 mL	0.259 mL	0.519 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. M Rösner, H G Capraro, A E Jacobson et al. Biological effects of modified colchicines. Improved preparation of 2-demethylcolchicine, 3-demethylcolchicine, and (+)-colchicine and reassignment of the position of the double bond in dehydro-7-deacetamidocolchicines. *J Med Chem.* 1981 Mar;24(3):257-61.

Inhibitors · Natural Compounds · Compound Libraries

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