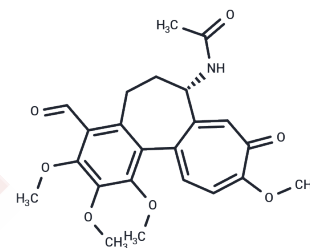


## 4-Formylcolchicine

## Chemical Properties

CAS No. :	2730-82-7
Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>0</sub> O <sub>7</sub>
Molecular Weight:	427.45
Storage:	Keep away from moisture, Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	4-Formylcolchicine is an anticancer agent, with IC <sub>50</sub> values of 1.007, 0.128, and 0.054 μM against A549, HT-29, and HCT116 cells, respectively. 4-Formylcolchicine can bind to lactosylated serum albumin and has anti-fibrotic properties.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (187.16 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	2.3395 mL	11.6973 mL	23.3945 mL
5 mM	0.4679 mL	2.3395 mL	4.6789 mL
10 mM	0.2339 mL	1.1697 mL	2.3395 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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

Yasobu N, et al. Design, Synthesis, and Antitumor Activity of 4-Halocolchicines and Their Pro-drugs Activated by Cathepsin B. ACS Med Chem Lett. 2011;2(5):348-352. Published 2011 Mar 4.

Palmerini CA, Saccardi C, Floridi A, Arienti G. Formylcolchicine bound to lactosaminated serum albumin is a more active antifibrotic agent than free colchicine. Clin Chim Acta. 1996;254(2):149-157.

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