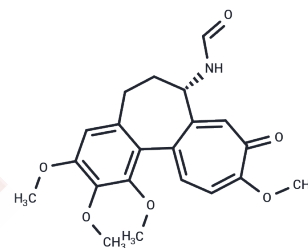


N-Deacetyl-N-formylcolchicine

Chemical Properties

CAS No. :	7411-12-3
Formula:	C ₂₁ H ₂₃ N ₁ O ₆
Molecular Weight:	385.41
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	N-Deacetyl-N-formylcolchicine (N-Formyl-N-deacetylcolchicine, Compound 11) is a selective inhibitor targeting the colchicine binding site on tubulin. It exhibits antiproliferative activity against various cancer cell lines, with IC ₅₀ values ranging from 32.61 to 100.28 nM. This compound inhibits microtubule polymerization, blocking cell division, inducing apoptosis in cancer cells, and suppressing cellular migration. N-Deacetyl-N-formylcolchicine shows potential for research in lung cancer and other solid tumors.
Targets(IC ₅₀)	Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5946 mL	12.9732 mL	25.9464 mL
5 mM	0.5189 mL	2.5946 mL	5.1893 mL
10 mM	0.2595 mL	1.2973 mL	2.5946 mL
50 mM	0.0519 mL	0.2595 mL	0.5189 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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