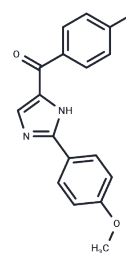


Anti-melanoma agent 3

Chemical Properties

CAS No. :	1253697-49-2
Formula:	C17H13FN2O2
Molecular Weight:	296.3
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	Compound 5cb, known as Anti-melanoma agent 3, is a derivative of 2-aryl-4-benzoyl-imidazole (ABI) that acts as an inhibitor of melanoma xenogeneic tumors. It exhibits anticancer effects by targeting the colchicine binding site, thereby preventing tubulin polymerization [1].
Targets(IC50)	Others, Microtubule Associated
In vitro	Anti-melanoma agent 3 exhibits antiproliferative activity and can inhibit the growth of melanoma cell lines and prostate cancer cell lines [1].
In vivo	Anti-melanoma agent 3 (administered intraperitoneally at doses of 10 and 30 mg/kg once daily for 14 days) significantly inhibits tumor growth in B16-F1 tumor-bearing mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.375 mL	16.8748 mL	33.7496 mL
5 mM	0.675 mL	3.375 mL	6.7499 mL
10 mM	0.3375 mL	1.6875 mL	3.375 mL
50 mM	0.0675 mL	0.3375 mL	0.675 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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