

## Anticancer agent 106

## Chemical Properties

CAS No. :

Formula: C<sub>26</sub>H<sub>25</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight: 475.56

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 106 (compound 10ic) induces apoptosis in B16-F10 melanoma cells and potently inhibits metastatic nodules in mouse models of lung metastatic melanoma, suggesting its utility in the study of cancer, particularly lung metastatic melanoma [1].
Targets(IC50)	Apoptosis
In vitro	Anticancer agent 106 (Compound 106; 0.28-55 $\mu$ M; 24 h) diminishes the viability of B16-F10 melanoma cells in a dose-dependent manner, with an IC <sub>50</sub> of 4.8 $\mu$ M [1]. At concentrations ranging from 5-20 $\mu$ M over 48 hours, the same agent induces apoptosis in B16-F10 melanoma cells [1].
In vivo	Anticancer agent 106 (9-9.5 mg/kg, i.p., every 3rd day for 22 days) inhibits metastatic nodules in a murine model of pulmonary metastatic melanoma [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1028 mL	10.5139 mL	21.0278 mL
5 mM	0.4206 mL	2.1028 mL	4.2056 mL
10 mM	0.2103 mL	1.0514 mL	2.1028 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 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.

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