

Tubulin inhibitor 21

Chemical Properties

CAS No. :

Formula: C₂₈H₂₅N₃O₄S

Molecular Weight: 499.58

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	Tubulin Inhibitor 21 (compound 6f), a hybrid based on chalcone and melatonin, exhibits potent tubulin inhibition properties. It demonstrates significant cytotoxic activity against SW480 cells (IC ₅₀ = 0.26 μM) while showing lesser effects on nonmalignant cells [1].
Targets(IC ₅₀)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0017 mL	10.0084 mL	20.0168 mL
5 mM	0.4003 mL	2.0017 mL	4.0034 mL
10 mM	0.2002 mL	1.0008 mL	2.0017 mL
50 mM	0.040 mL	0.2002 mL	0.4003 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481