

Anticancer agent 139

Chemical Properties

CAS No. :

Formula: C16H12F3N3O

Molecular Weight: 319.28

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 6h (Anticancer Agent 139) exhibits potent anticancer activity, engaging in a π -cationic interaction with Lys352 of Tubulin and demonstrating high efficacy against SNB-19, OVCAR-8, and NCI-H460 with PGIs of 86.61, 85.26, and 75.99, respectively. Moreover, it shows moderate activity against a range of other cancer cell lines – HOP-62, SNB-75, ACHN, NCI/ADR-RES, 786-O, A549/ATCC, HCT-116, and MDA-MB-231 – with PGIs between 51.88 and 67.55 [1].
Targets(IC50)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.132 mL	15.6602 mL	31.3205 mL
5 mM	0.6264 mL	3.132 mL	6.2641 mL
10 mM	0.3132 mL	1.566 mL	3.132 mL
50 mM	0.0626 mL	0.3132 mL	0.6264 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