

## Antiproliferative agent-30

## Chemical Properties

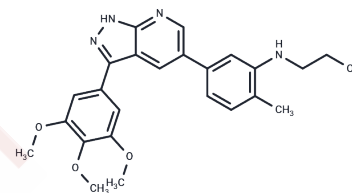
CAS No. : 2713553-88-7

Formula: C<sub>24</sub>H<sub>26</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight: 434.49

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	Antiproliferative agent-30 (Compound 8g) exhibits broad-spectrum antiproliferative activity, with IC <sub>50</sub> values of 0.054 nM, 0.008 nM, and 0.144 nM against HCT-116, K562, and MV-4-11 cancer cell lines, respectively. It inhibits tubulin assembly, FLT3, and Abl1 kinases and shows vascular-disrupting capabilities. Additionally, it displays an anticancer effect against acute myeloid leukemia (AML) with FLT3-ITD-TKD mutations [1].
Targets(IC50)	Others,FLT, Microtubule Associated, Bcr-Abl

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3015 mL	11.5077 mL	23.0155 mL
5 mM	0.4603 mL	2.3015 mL	4.6031 mL
10 mM	0.2302 mL	1.1508 mL	2.3015 mL
50 mM	0.046 mL	0.2302 mL	0.4603 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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