

AB8939

## Chemical Properties

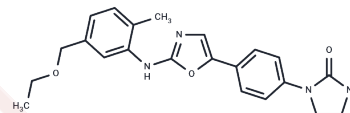
CAS No. : 1974336-09-8

Formula: C<sub>22</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 392.451

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	AB8939 is a potent small-molecule inhibitor of microtubule/tubulin polymerization, exhibiting antitumor activity (with tumor cell proliferation inhibition IC <sub>50</sub> ≤ 10 nM). It effectively circumvents resistance mechanisms mediated by P-glycoprotein and myeloperoxidase. AB8939 can induce G <sub>2</sub> /M phase cell cycle arrest and apoptosis.
Targets(IC <sub>50</sub> )	Apoptosis, Microtubule Associated

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5481 mL	12.7405 mL	25.481 mL
5 mM	0.5096 mL	2.5481 mL	5.0962 mL
10 mM	0.2548 mL	1.274 mL	2.5481 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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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