

FD2157

## Chemical Properties

CAS No. :

Formula: C<sub>27</sub>H<sub>21</sub>ClN<sub>6</sub>O<sub>8</sub>S

Molecular Weight: 625.01

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	FD2157, a photosensitive PI3K inhibitor, exhibits inhibitory IC <sub>50</sub> values of 43 nM for PI3K $\alpha$ , 83 nM for PI3K $\beta$ , 84 nM for PI3K $\gamma$ , and 14 nM for PI3K $\delta$ . Upon exposure to 365 nm UV light, FD2157 effectively inhibits cancer cell proliferation and induces apoptosis [1].
Targets(IC <sub>50</sub> )	Apoptosis,PI3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.600 mL	7.9999 mL	15.9997 mL
5 mM	0.320 mL	1.600 mL	3.1999 mL
10 mM	0.160 mL	0.800 mL	1.600 mL
50 mM	0.032 mL	0.160 mL	0.320 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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