

## SHP1 activator 1

## Chemical Properties

CAS No. :

Formula: C27H34N4O4

Molecular Weight: 478.58

Keep away from direct sunlight

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	SHP1 activator 1 (Compound 3n) is an activator of protein tyrosine phosphatase 1 containing the src homology-2 domain (SHP1), with an EC50 of 17.66 $\mu$ M. It inhibits the proliferation of ABC-DLBCL cells and induces apoptosis by suppressing the STAT3 signaling pathway. In MDA-MB-231 cells, SHP1 activator 1 emits blue and green fluorescent signals, making it suitable as a cellular imaging agent.
Targets(IC50)	Apoptosis,STAT,Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0895 mL	10.4476 mL	20.8951 mL
5 mM	0.4179 mL	2.0895 mL	4.179 mL
10 mM	0.209 mL	1.0448 mL	2.0895 mL
50 mM	0.0418 mL	0.209 mL	0.4179 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.

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