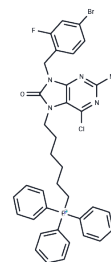


SMTIN-T140

## Chemical Properties

CAS No. : 2851532-40-4  
 Formula: C<sub>36</sub>H<sub>34</sub>BrClFN<sub>5</sub>O<sup>+</sup>  
 Molecular Weight: 718.02  
 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	SMTIN-T140 (compound 6a), a potent TRAP1 (tumor-necrosis-factor-receptor associated protein 1) inhibitor with an IC <sub>50</sub> of 1.646 μM, exhibits anticancer activity by inducing mitochondrial dysfunction, elevating mitochondrial ROS production, and activating AMPK. Notably, SMTIN-T140 effectively suppressed tumor growth without discernible in vivo toxicity in a PC3 prostate cancer cell-xenografted mouse model [1].
Targets(IC50)	HSP,Reactive Oxygen Species,AMPK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3927 mL	6.9636 mL	13.9272 mL
5 mM	0.2785 mL	1.3927 mL	2.7854 mL
10 mM	0.1393 mL	0.6964 mL	1.3927 mL
50 mM	0.0279 mL	0.1393 mL	0.2785 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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