

## TM5441 sodium

## Chemical Properties

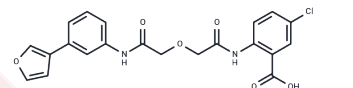
CAS No. : 2319722-53-5

Formula: C<sub>21</sub>H<sub>16</sub>ClN<sub>2</sub>NaO<sub>6</sub>

Molecular Weight: 450.8

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	TM5441, an orally bioavailable plasminogen activator inhibitor-1 (PAI-1) inhibitor with IC <sub>50</sub> values ranging from 13.9 to 51.1 $\mu$ M, effectively induces intrinsic apoptosis across multiple human cancer cell lines. Additionally, it mitigates Nw-nitro-L-arginine methyl ester-induced cardiac hypertension and vascular senescence [1] [2].
Targets(IC <sub>50</sub> )	Apoptosis,Others,PAI-1

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2183 mL	11.0914 mL	22.1828 mL
5 mM	0.4437 mL	2.2183 mL	4.4366 mL
10 mM	0.2218 mL	1.1091 mL	2.2183 mL
50 mM	0.0444 mL	0.2218 mL	0.4437 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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