

DCLK1-IN-5

## Chemical Properties

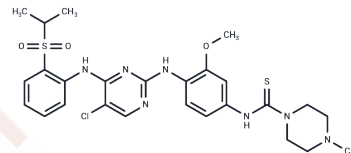
CAS No. : 3028774-14-0

Formula: C<sub>26</sub>H<sub>32</sub>ClN<sub>7</sub>O<sub>3</sub>S<sub>2</sub>

Molecular Weight: 590.16

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	DCLK1-IN-5 (Compound a24), with an IC <sub>50</sub> of 179.7 nM, acts as a DCLK1 inhibitor. It mitigates lipopolysaccharide-induced inflammation by blocking DCLK1-mediated IKK $\beta$ phosphorylation. Additionally, DCLK1-IN-5 offers protection to mice from lung injuries and sepsis caused by inflammation [1].
Targets(IC <sub>50</sub> )	Serine Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6945 mL	8.4723 mL	16.9446 mL
5 mM	0.3389 mL	1.6945 mL	3.3889 mL
10 mM	0.1694 mL	0.8472 mL	1.6945 mL
50 mM	0.0339 mL	0.1694 mL	0.3389 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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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481