

DAP-81

## Chemical Properties

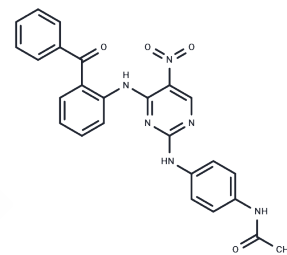
CAS No. : 794466-17-4

Formula: C<sub>25</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>

Molecular Weight: 468.46

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	DAP-81 is a diaminopyrimidine derivative that targets PLKs, destabilizing kinetochore microtubules. Other spindle tubules are stabilized, resulting in monopolar mitotic spindles. In vitro, DAP-81 inhibits Plk1 at an IC <sub>50</sub> of 0.9 nM. DAP-81 is currently in ongoing preclinical evaluations.
Targets(IC <sub>50</sub> )	Others,PLK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1347 mL	10.6733 mL	21.3465 mL
5 mM	0.4269 mL	2.1347 mL	4.2693 mL
10 mM	0.2135 mL	1.0673 mL	2.1347 mL
50 mM	0.0427 mL	0.2135 mL	0.4269 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