

Dyrk1A/ $\alpha$ -synuclein-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>O<sub>3</sub>S

Molecular Weight: 411.48

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	Dyrk1A/ $\alpha$ -synuclein-IN-1 (Compound b1) is a dual inhibitor of Dyrk1A (IC <sub>50</sub> : 177 nM) and $\alpha$ -synuclein aggregation (IC <sub>50</sub> : 10.5 $\mu$ M), characterized by CNS permeability and neuroprotective activity.
Targets(IC <sub>50</sub> )	Others,DYRK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4303 mL	12.1513 mL	24.3025 mL
5 mM	0.4861 mL	2.4303 mL	4.8605 mL
10 mM	0.243 mL	1.2151 mL	2.4303 mL
50 mM	0.0486 mL	0.243 mL	0.4861 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