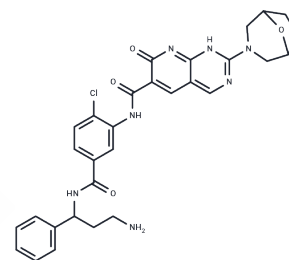


## DYRKs-IN-1

## Chemical Properties

CAS No. :	1387090-01-8
Formula:	C <sub>30</sub> H <sub>30</sub> ClN <sub>7</sub> O <sub>4</sub>
Molecular Weight:	588.06
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	DYRKs-IN-1 has antitumor activity. DYRKs-IN-1 is a potent DYRKs (Dual-specificity tyrosine-phosphorylation-regulated kinases) inhibitor with IC <sub>50</sub> s of 9 nM and 5 nM for DYRK1B and DYRK1A, respectively.
Targets(IC <sub>50</sub> )	DYRK
In vitro	Dyrks-in-1 enhanced the efficacy of human colon cancer cell line SW 620 with EC <sub>50</sub> at 27 nM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7005 mL	8.5025 mL	17.0051 mL
5 mM	0.3401 mL	1.7005 mL	3.401 mL
10 mM	0.1701 mL	0.8503 mL	1.7005 mL
50 mM	0.034 mL	0.1701 mL	0.3401 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.

## Reference

- Kevin Anderson, et al. Pyrido pyrimidines. US20120184542A1  
 Anderson K, et al. Pyrido[2,3-d]pyrimidines: discovery and preliminary SAR of a novel series of DYRK1B and DYRK1A inhibitors. Bioorg Med Chem Lett. 2013 Dec 15;23(24):6610-5.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481