Data Sheet (Cat.No.T11132)



DYRKs-IN-1

Chemical Properties

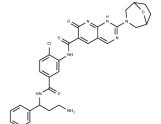
CAS No.: 1387090-01-8

Formula: C30H30ClN7O4

Molecular Weight: 588.06

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DYRKs-IN-1 has antitumor activity. DYRKs-IN-1 is a potent DYRKs (Dual-specificity tyrosine-phosphorylation-regulated kinases) inhibitor with IC50s of 9 nM and 5 nM for DYRK1B and DYRK1A, respectively.
Targets(IC50)	DYRK
In vitro	Dyrks-in-1 enhanced the efficacy of human colon cancer cell line SW 620 with EC50 at 27 nM.

Preparing Stock Solutions

30	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.

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

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:36 Washington Street, Wellesley Hills, MA 02481

Page 1 of 1 www.targetmol.com