

NPD10084

Chemical Properties

CAS No. :	1040706-91-9
Formula:	C ₂₁ H ₁₉ N ₃ O ₂
Molecular Weight:	345.39
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	NPD10084 is an inhibitor that targets the pyruvate kinase M2 subtype (PKM2). NPD10084 inhibits downstream signaling by interfering with protein-protein interactions between PKM2 and β -catenin or STAT3 through its action on the non-glycolytic signaling function of PKM2, thereby exhibiting antiproliferative activity against multiple colorectal cancer cell lines (in vitro IC ₅₀ range: 0.8-1.9 μ M).
Targets(IC50)	PKM

Solubility Information

Solubility	DMSO: 80 mg/mL (231.62 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8953 mL	14.4764 mL	28.9528 mL
5 mM	0.5791 mL	2.8953 mL	5.7906 mL
10 mM	0.2895 mL	1.4476 mL	2.8953 mL
50 mM	0.0579 mL	0.2895 mL	0.5791 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

Nagasawa I, et al. Identification of a Small Compound Targeting PKM2-Regulated Signaling Using 2D Gel Electrophoresis-Based Proteome-wide CETSA. Cell Chem Biol. 2020 Feb 20;27(2):186-196.e4.

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