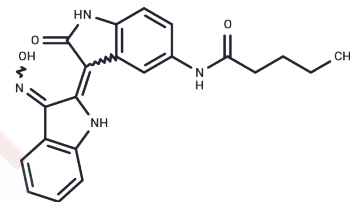


DRAK2-IN-1

Chemical Properties

CAS No. :	871837-60-4
Formula:	C ₂₁ H ₂₀ N ₄ O ₃
Molecular Weight:	376.41
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	DRAK2-IN-1 is a highly potent and selective ATP-competitive DRAK2 inhibitor with an IC ₅₀ of 3 nM and a K of 0.26 nM. It also inhibits DRAK1 with an IC ₅₀ of 51 nM.
Targets(IC50)	DAPK

Solubility Information

Solubility	DMSO: 80 mg/mL (212.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---------------------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6567 mL	13.2834 mL	26.5668 mL
5 mM	0.5313 mL	2.6567 mL	5.3134 mL
10 mM	0.2657 mL	1.3283 mL	2.6567 mL
50 mM	0.0531 mL	0.2657 mL	0.5313 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

Jung ME, et al. Discovery of indirubin derivatives as new class of DRAK2 inhibitors from high throughput screening. Bioorg Med Chem Lett. 2016 Jun 1;26(11):2719-23

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