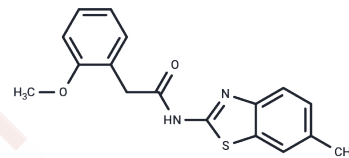


Casein kinase 1δ-IN-3

Chemical Properties

CAS No. :	349438-77-3
Formula:	C ₁₇ H ₁₆ N ₂ O ₂ S
Molecular Weight:	312.39
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	Casein kinase 1δ-IN-3 (Compound 23a) is an inhibitor of casein kinase 1 delta (CK1δ) with a pIC ₅₀ of 6.5376 M.
Targets(IC ₅₀)	Casein Kinase

Solubility Information

Solubility	DMSO: 56.7 mg/mL (181.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2011 mL	16.0056 mL	32.0113 mL
5 mM	0.6402 mL	3.2011 mL	6.4023 mL
10 mM	0.3201 mL	1.6006 mL	3.2011 mL
50 mM	0.064 mL	0.3201 mL	0.6402 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

Makhuri FR, et al. Computer-aided scaffold hopping to identify a novel series of casein kinase 1 delta (CK1δ) inhibitors for amyotrophic lateral sclerosis. Eur J Pharm Sci. 2015 Oct 12;78:151-62.

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