

kb NB 142-70

Chemical Properties

CAS No. : 1233533-04-4

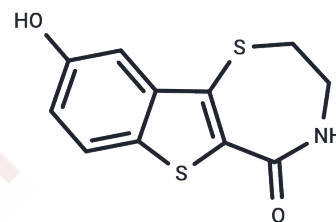
Formula: C₁₁H₉NO₂S₂

Molecular Weight: 251.32

Store at low temperature

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	kb NB 142-70 is a selective protein kinase D (PKD) inhibitor with IC ₅₀ values of 28.3 nM, 58.7 nM, and 53.2 nM for PKD1, PKD2, and PKD3 respectively.
Targets(IC ₅₀)	Serine/threonin kinase

Solubility Information

Solubility	DMSO: 25.13 mg/mL (99.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.979 mL	19.895 mL	39.7899 mL
5 mM	0.7958 mL	3.979 mL	7.958 mL
10 mM	0.3979 mL	1.9895 mL	3.979 mL
50 mM	0.0796 mL	0.3979 mL	0.7958 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

Young SH, et al. Am J Physiol Gastrointest Liver Physiol. 2012 Aug 1;303(3):G356-66.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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