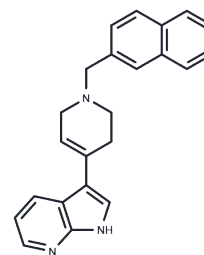


ERK5-IN-6

## Chemical Properties

CAS No. : 2734916-64-2  
 Formula: C<sub>23</sub>H<sub>21</sub>N<sub>3</sub>  
 Molecular Weight: 339.43  
 Storage: Store at low temperature  
 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	ERK5-IN-6 is a potent inhibitor of ERK5 kinase. ERK5-IN-6 exhibits antiproliferative activity, anticonvulsant activity, and antitumor activity, and can be used in the study of central nervous system-related disorders.
Targets(IC50)	ERK

## Solubility Information

Solubility	DMSO: 7.14 mg/mL (21.04 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	2.9461 mL	14.7306 mL	29.4612 mL
5 mM	0.5892 mL	2.9461 mL	5.8922 mL
10 mM	0.2946 mL	1.4731 mL	2.9461 mL
50 mM	0.0589 mL	0.2946 mL	0.5892 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

Qin Zhang, et al. Design, synthesis and SAR of novel 7-azaindole derivatives as potential Erk5 kinase inhibitor with anticancer activity. Bioorg Med Chem. 2023 Oct 14;95:117503.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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