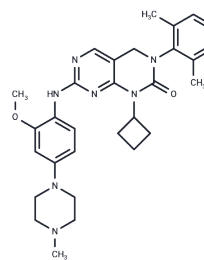


YKL-06-061

Chemical Properties

CAS No. : 2172617-15-9
 Formula: C30H37N7O2
 Molecular Weight: 527.66
 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	YKL-06-061 is a selective salt-inducible kinase (SIK) inhibitor with IC50 values of 6.56 nM/1.77 nM/20.5 nM for SIK1/2/3, respectively.
Targets(IC50)	AMPK,SIK

Solubility Information

Solubility	DMSO: 5.28 mg/mL (10.01 mM),Sonication is recommended. H2O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.9 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8952 mL	9.4758 mL	18.9516 mL
5 mM	0.379 mL	1.8952 mL	3.7903 mL
10 mM	0.1895 mL	0.9476 mL	1.8952 mL
50 mM	0.0379 mL	0.1895 mL	0.379 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

Mujahid N, et al. A UV-Independent Topical Small-Molecule Approach for Melanin Production in Human Skin. Cell Rep. 2017 Jun 13;19(11):2177-2184.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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