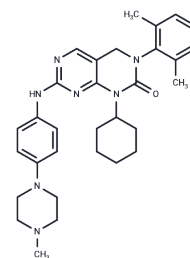


YKL-06-062

## Chemical Properties

CAS No. : 2172617-16-0  
 Formula: C<sub>31</sub>H<sub>39</sub>N<sub>7</sub>O  
 Molecular Weight: 525.69  
 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-06-062 is a second-generation salt-inducible kinase (SIK) inhibitor that targets SIK1, SIK2, and SIK3, with IC <sub>50</sub> values of 2.12 nM, 1.40 nM, and 2.86 nM, respectively.
Targets(IC <sub>50</sub> )	SIK
In vitro	In a dose-dependent manner, YKL 06-062 (0.0004-16 μM; 3 h) enhances MITF mRNA expression.[1]

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), 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	1.9023 mL	9.5113 mL	19.0226 mL
5 mM	0.3805 mL	1.9023 mL	3.8045 mL
10 mM	0.1902 mL	0.9511 mL	1.9023 mL
50 mM	0.038 mL	0.1902 mL	0.3805 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;19(11):2177-2184.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481