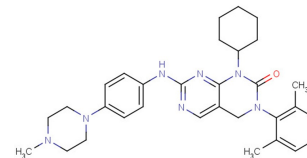


YKL-06-062

Chemical Properties

CAS No.:	2172617-16-0
Formula:	C31H39N7O
Molecular Weight:	525.69
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	YKL-06-062 is an inhibitor of the second-generation salt-inducible kinase (IC50: 2.12 nM/1.40 nM/2.86 nM, respectively).
Targets(IC50)	Others: None
In vitro	In a dose-dependent manner, YKL 06-062 (0.0004-16 µM; 3 hours) enhances MITF mRNA expression [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.902 mL	9.511 mL	19.023 mL
5 mM	0.38 mL	1.902 mL	3.805 mL
10 mM	0.19 mL	0.951 mL	1.902 mL
50 mM	0.038 mL	0.19 mL	0.38 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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