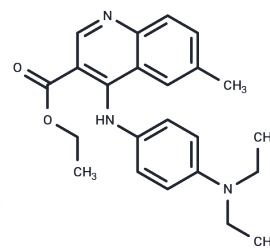


MCU-i4

## Chemical Properties

CAS No. : 371924-24-2  
 Formula: C<sub>23</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 377.48  
 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	MCU-i4 is a novel negative modulator of the MCU, binding MICU1 and impairing muscle cell growth.
Targets(IC50)	Mitochondrial Metabolism

## Solubility Information

Solubility	DMSO: 21.67 mg/mL (57.41 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	2.6491 mL	13.2457 mL	26.4915 mL
5 mM	0.5298 mL	2.6491 mL	5.2983 mL
10 mM	0.2649 mL	1.3246 mL	2.6491 mL
50 mM	0.053 mL	0.2649 mL	0.5298 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

Marco G D , Vallese F , Jourde B , et al. A High-Throughput Screening Identifies MICU1 Targeting Compounds[J]. Cell Reports, 2020, 30(7):2321-2331.e6.

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