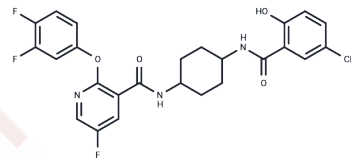


uk-50001

## Chemical Properties

CAS No. : 857900-47-1  
 Formula: C<sub>26</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>  
 Molecular Weight: 499.48  
 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	uk-50001 is a phosphodiesterase (PDE) 4 inhibitor that can be used for many diseases, especially inflammation, allergies, respiratory diseases, disorders and conditions and wounds.
Targets(IC50)	PDE

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (55.06 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	2.0021 mL	10.0104 mL	20.0208 mL
5 mM	0.4004 mL	2.0021 mL	4.0042 mL
10 mM	0.2002 mL	1.001 mL	2.0021 mL
50 mM	0.040 mL	0.2002 mL	0.4004 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

Meade, et al. Pharmaceutical compositions based on a scopolin ester and nicotinamide derivatives.  
 US20050154006 A1.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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