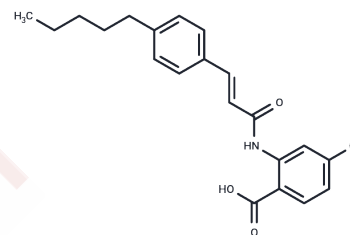


ONO-RS-082

Chemical Properties

CAS No. : 99754-06-0
 Formula: C₂₁H₂₂ClNO₃
 Molecular Weight: 371.86
 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	ONO-RS-082 is a Ca ²⁺ -independent phospholipase A2 inhibitor.
Targets(IC50)	Others, Phospholipase
In vitro	ONO-RS-082 at 3.5 μM was able to inhibit epinephrine-stimulated thromboxane production in human platelets. ONO-RS-082 could also disrupt endosome tubule formation and maintenance of the Golgi complex[1].

Solubility Information

Solubility	DMSO: 83.33 mg/mL (224.09 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	2.6892 mL	13.4459 mL	26.8918 mL
5 mM	0.5378 mL	2.6892 mL	5.3784 mL
10 mM	0.2689 mL	1.3446 mL	2.6892 mL
50 mM	0.0538 mL	0.2689 mL	0.5378 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

Banga H S , Simons E R , Brass L F , et al. Activation of phospholipases A and C in human platelets exposed to epinephrine: role of glycoproteins IIb/IIIa and dual role of epinephrine[J]. Proceedings of the National Academy of Sciences, 1986, 83(23):9197-9201.

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