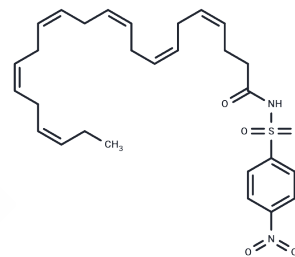


pNPS-DHA

Chemical Properties

CAS No. :	2454246-25-2
Formula:	C ₂₈ H ₃₆ N ₂ O ₅ S
Molecular Weight:	512.66
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	pNPS-DHA is an arylamide derivative of docosahexaenoyl ethanolamide that has anti-allergic activity. It inhibits degranulation of RBL-2H3 mast cells (IC ₅₀ = 15 μM). pNPS-DHA (1,000 mg/kg) inhibits IgE-dependent passive cutaneous anaphylaxis (PCA) in mice.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Methyl Acetate: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9506 mL	9.7531 mL	19.5061 mL
5 mM	0.3901 mL	1.9506 mL	3.9012 mL
10 mM	0.1951 mL	0.9753 mL	1.9506 mL
50 mM	0.039 mL	0.1951 mL	0.3901 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

Kim, I.-H., Kanayama, Y., Nishiwaki, H., et al. Structure-activity relationships of fish oil derivatives with anti-allergic activity in vitro and in vivo. *Med. Chem.* 62(21)9576-9592(2019)

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