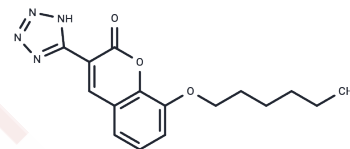


KP136

Chemical Properties

CAS No. : 76239-32-2
 Formula: C₁₆H₁₈N₄O₃
 Molecular Weight: 314.34
 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	KP136 (AL136) is an orally active anti-allergic compound that inhibits histamine release and is used in studies of asthma and allergic edema.
Targets(IC50)	Histamine Receptor
In vitro	KP136 (0.01 µg/mL) inhibits histamine release and degranulation in a dose-dependent manner, confirming its role as an inhibitor of mast cell activation[1].
In vivo	KP136 (1 mg/kg, i.v.) also significantly inhibited 5-hour homologous PCA with activity similar to that of C4C. 0.2 mg/kg of C4C produced comparable effects to 1 mg/kg of KP136 or 5 mg/kg of DSCG. However, C4C is less effective orally, as it only produces about 35% maximal inhibition even at a high dose of 100 mg/kg, whereas KP136 produces about 66% significant inhibition at an oral dose of 2 mg/kg [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1813 mL	15.9063 mL	31.8127 mL
5 mM	0.6363 mL	3.1813 mL	6.3625 mL
10 mM	0.3181 mL	1.5906 mL	3.1813 mL
50 mM	0.0636 mL	0.3181 mL	0.6363 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

Kuriyama K, et al. Antiallergic effects of 4-[2-oxo-3-(1H-tetrazol-5-yl)-2H-chromen-8-yloxy]-butyric acid. Jpn J Pharmacol. 1989 Jun;50(2):111-8.

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