

Dusquetide aceate

Chemical Properties

CAS No. :

Formula: C₂₇H₅₁N₉O₇

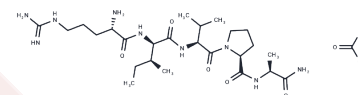
Molecular Weight: 613.75

Storage:

Store at low temperature, Keep away from moisture

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	Dusquetide aceate is an innate immune defense regulator against damage-associated molecular patterns and pathogen-associated molecular patterns. Dusquetide aceate shows anti-inflammation and antibacterial activities.
Targets(IC50)	Antibacterial
In vivo	Dusquetide aceate (25 mg/kg; i.v.) shows a trend towards decreased tumor growth and improvement in survival with radiation with no increase in tumor growth or worsening of survival[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (40.73 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	1.6293 mL	8.1466 mL	16.2933 mL
5 mM	0.3259 mL	1.6293 mL	3.2587 mL
10 mM	0.1629 mL	0.8147 mL	1.6293 mL
50 mM	0.0326 mL	0.1629 mL	0.3259 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

Kudrimoti M, et al. Dusquetide: A novel innate defense regulator demonstrating a significant and consistent reduction in the duration of oral mucositis in preclinical data and a randomized, placebo-controlled phase 2a clinical study. J Biotechnol. 2016 Dec 10;239:115-125.

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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