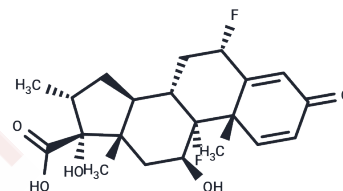


Fluticasone 17 β -Carboxylic Acid

Chemical Properties

CAS No. :	28416-82-2
Formula:	C ₂₁ H ₂₆ F ₂ O ₅
Molecular Weight:	396.42
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	Fluticasone 17 β -carboxylic acid is an intermediate in the synthesis of the glucocorticosteroid fluticasone propionate .1
Targets(IC50)	Glucocorticoid Receptor,Others

Solubility Information

Solubility	DMSO:PBS (pH 7.2) (1:4): 0.1 mg/mL (0.25 mM),Sonication is recommended. DMSO: 5 mg/mL (12.61 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	2.5226 mL	12.6129 mL	25.2258 mL
5 mM	0.5045 mL	2.5226 mL	5.0452 mL
10 mM	0.2523 mL	1.2613 mL	2.5226 mL
50 mM	0.0505 mL	0.2523 mL	0.5045 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

Zhou, J., Jin, C., and Su, W. Improved synthesis of fluticasone propionate. Org. Process Res. Dev. 18(8), 928-933 (2014).

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