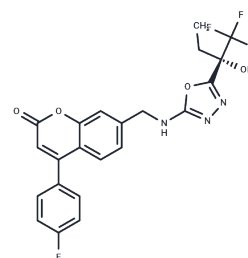


Setileuton

Chemical Properties

CAS No. :	910656-27-8
Formula:	C ₂₂ H ₁₇ F ₄ N ₃ O ₄
Molecular Weight:	463.38
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	Setileuton (MK0633) is a specific 5-LOX inhibitor and can be used in research on asthma and atherosclerosis.
Targets(IC50)	Lipoxygenase

Solubility Information

Solubility	DMSO: 4.64 mg/mL (10.01 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	2.1581 mL	10.7903 mL	21.5806 mL
5 mM	0.4316 mL	2.1581 mL	4.3161 mL
10 mM	0.2158 mL	1.079 mL	2.1581 mL
50 mM	0.0432 mL	0.2158 mL	0.4316 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

Maciolek CM, et al. Novel cytochrome P450-mediated ring opening of the 1,3,4-oxadiazole in setileuton, a 5-lipoxygenase inhibitor. Drug Metab Dispos. 2011 May;39(5):763-70.

Ducharme Y, et al. The discovery of setileuton, a potent and selective 5-lipoxygenase inhibitor. ACS Med Chem Lett. 2010 Apr 13;1(4):170-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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