

Iguratimod-D5

Chemical Properties

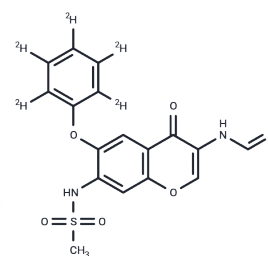
CAS No. :

Formula: C17H9D5N2O6S

Molecular Weight: 379.4

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	Iguratimod-D5 is a deuterated compound of Iguratimod. Iguratimod (T5032) has a CAS number of 123663-49-0. Iguratimod (T5032) is an antirheumatic agent, acts as an inhibitor of COX-2, with an IC50 of 20 µM (7.7 µg/mL), but shows no effect on COX-1. Iguratimod (T5032) also inhibits macrophage migration inhibitory factor (MIF) with an IC50 of 6.81 µM.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6357 mL	13.1787 mL	26.3574 mL
5 mM	0.5271 mL	2.6357 mL	5.2715 mL
10 mM	0.2636 mL	1.3179 mL	2.6357 mL
50 mM	0.0527 mL	0.2636 mL	0.5271 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

1. Tanaka K, et al. T-614, a novel antirheumatic drug, inhibits both the activity and induction of cyclooxygenase-2 (COX-2) in cultured fibroblasts. Jpn J Pharmacol. 1995 Apr;67(4):305-14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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