

Gefapixant-D3

Chemical Properties

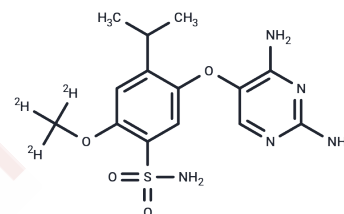
CAS No. :

Formula: C₁₄H₁₆D₃N₅O₄S

Molecular Weight: 356.42

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

Gefapixant-D3 is a deuterated compound of Gefapixant. Gefapixant (T5099) has a CAS number of 1015787-98-0. Gefapixant (T5099) is a P2X₃ receptor (P2X₃R) antagonist with IC₅₀ of ~30 nM at recombinant hP2X₃ homotrimers and 100-250 nM at hP2X_{2/3} heterotrimeric receptors.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8057 mL	14.0284 mL	28.0568 mL
5 mM	0.5611 mL	2.8057 mL	5.6114 mL
10 mM	0.2806 mL	1.4028 mL	2.8057 mL
50 mM	0.0561 mL	0.2806 mL	0.5611 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. Anthony P. Ford, et al. The therapeutic promise of ATP antagonism at P2X₃ receptors in respiratory and urological disorders. Front Cell Neurosci. 2013; 7: 267.

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