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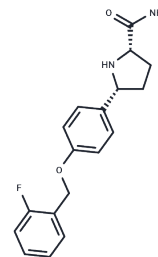
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Raxatrigine

Chemical Properties

CAS No. :	934240-30-9
Formula:	C ₁₈ H ₁₉ FN ₂ O ₂
Molecular Weight:	314.35
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Raxatrigine (CNV 1014802) has been investigated for the treatment of Bipolar Disorder and Bipolar Depression.
Targets(IC50)	Sodium Channel
Kinase Assay	Binding or activity of EVP-6124 is measured at 10 μ M in a selectivity panel according to standard validated protocols under conditions defined by the contractor. For the 5-HT _{2A} receptor binding assay, membranes are prepared from HEK293 cells expressing the human recombinant 5-HT _{2A} receptor. For 5-HT _{2B} and 5-HT _{2C} receptor binding assays, membranes are prepared from CHO cells expressing the human recombinant 5-HT _{2B} or 5-HT _{2C} receptor. Affinity is determined by incubating different concentrations of EVP-6124 in binding buffer for 1 h. For 5-HT _{2A} binding, the incubation is at 22°C in the presence of 0.5 nM [³ H]-ketanserin; for 5-HT _{2B} , at 22°C in the presence of 2 nM [³ H]-mesulergine; and for 5-HT _{2C} , at 37°C in the presence of 1 nM [³ H]-mesulergine. Nonspecific binding is determined in the presence of 1 μ M ketanserin, 10 μ M mesulergine, or 10 μ M RS-102221 for 5-HT _{2A} , 5-HT _{2B} , or 5-HT _{2C} , respectively. All measurements are performed in triplicate. EVP-6124 is also tested in the 5-HT _{2B} rat gastric fundus tissue response assay. Briefly, inhibition of α -methyl serotonin-induced contraction is isometrically measured. All measurements are performed in duplicate[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (159.05 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1812 mL	15.9058 mL	31.8117 mL
5 mM	0.6362 mL	3.1812 mL	6.3623 mL
10 mM	0.3181 mL	1.5906 mL	3.1812 mL
50 mM	0.0636 mL	0.3181 mL	0.6362 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.

Reference

Large CH, et al. J Pharmacol Exp Ther. 2011 Jul;338(1):100-13.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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