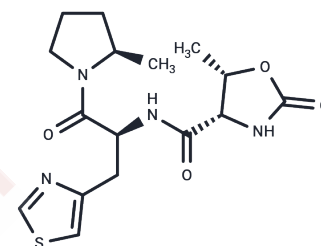


Rovatiirelin

Chemical Properties

CAS No. :	204386-76-5
Formula:	C ₁₆ H ₂₂ N ₄ O ₄ S
Molecular Weight:	366.43
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	Rovatiirelin (S-0373) is a newly synthesized thyrotropin-releasing hormone (TRH) analog that ameliorates cytosine arabinoside-induced motor dysfunction in a rat model of spinal cerebellar degeneration via acetylcholine and dopamine neurotransmission.
Targets(IC50)	Cholinesterase (ChE),Thyroid hormone receptor(THR)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.729 mL	13.6452 mL	27.2903 mL
5 mM	0.5458 mL	2.729 mL	5.4581 mL
10 mM	0.2729 mL	1.3645 mL	2.729 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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

Ijiro T, et al. Rovatiirelin ameliorates motor dysfunction in the cytosine arabinoside-induced rat model of spinocerebellar degeneration via acetylcholine and dopamine neurotransmission. Clin Exp Pharmacol Physiol. 2022 Sep;49(9):950-958.

Kobayshi K, et al. Human mass balance, pharmacokinetics and metabolism of rovatirelin and identification of its metabolic enzymes in vitro. Xenobiotica. 2019 Dec;49(12):1434-1446.

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