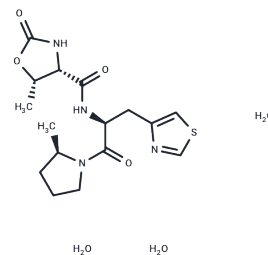


## Rovatiirelin trihydrate

## Chemical Properties

CAS No. :	879122-87-9
Formula:	C16H28N4O7S
Molecular Weight:	420.48
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 (also known as S-0373) is a novel synthetic compound that mimics the action of thyrotropin-releasing hormone (TRH). This compound exhibits a higher affinity for human TRH receptors ( $K_i=702\text{nM}$ ) compared to taltirelin ( $K_i=3877\text{nM}$ ). In acutely isolated norepinephrine neurons of the rat locus coeruleus (LC), rovatirelin enhances the firing of spontaneous action potentials. Additionally, rovatirelin increases motor activity and may offer potential therapeutic benefits as an oral treatment for patients with SCD.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3782 mL	11.8912 mL	23.7823 mL
5 mM	0.4756 mL	2.3782 mL	4.7565 mL
10 mM	0.2378 mL	1.1891 mL	2.3782 mL
50 mM	0.0476 mL	0.2378 mL	0.4756 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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