

Taltirelin-13C-D3

Chemical Properties

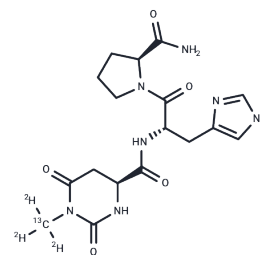
CAS No. :

Formula: 13C C16H20N7O5D3

Molecular Weight: 409.42

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

Taltirelin-13C-D3 is the 13C and deuterated compound of Taltirelin. Taltirelin (T7590) has a CAS number of 103300-74-9. Taltirelin (T7590) is a thyrotropin-releasing hormone receptor (TRH-R) superagonist (IC50 of 910 nM and EC50 of 36 nM for stimulating an increase in cytosolic Ca²⁺ concentration (Ca²⁺ release))[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4425 mL	12.2124 mL	24.4248 mL
5 mM	0.4885 mL	2.4425 mL	4.885 mL
10 mM	0.2442 mL	1.2212 mL	2.4425 mL
50 mM	0.0488 mL	0.2442 mL	0.4885 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. Dougherty J P , Wolff B S , Cullen M J , et al. Taltirelin alleviates fatigue-like behavior in mouse models of cancer-related fatigue.[J]. Pharmacological Research, 2017, 124:1-8.

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