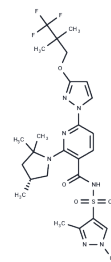


(R)-Elexacaftor

Chemical Properties

CAS No. :	2229860-99-3
Formula:	C ₂₆ H ₃₄ F ₃ N ₇ O ₄ S
Molecular Weight:	597.65
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	(R)-Elexacaftor (compound 37) is the enantiomer of Elexacaftor (compound 1). (R)-Elexacaftor is a CFTR modulator with an EC ₅₀ of 0.29 μM for CFTR dF508.
Targets(IC ₅₀)	CFTR

Solubility Information

Solubility	DMSO: 80 mg/mL (133.86 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.52 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6732 mL	8.3661 mL	16.7322 mL
5 mM	0.3346 mL	1.6732 mL	3.3464 mL
10 mM	0.1673 mL	0.8366 mL	1.6732 mL
50 mM	0.0335 mL	0.1673 mL	0.3346 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

Modulator of cystic fibrosis transmembrane conductance regulator, pharmaceutical compositions, methods of treatment, and process for making the modulator. WO2018107100A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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