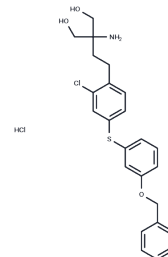


Mocravimod hydrochloride

Chemical Properties

CAS No. :	509088-69-1
Formula:	C ₂₄ H ₂₇ Cl ₂ N ₃ O ₃ S
Molecular Weight:	480.45
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	Mocravimod hydrochloride (KRP-203) is an effective and orally active agonist of sphingosine 1-phosphate receptor type 1 (S1PR1).
Targets(IC50)	LPL Receptor
In vivo	In mHC-disparate rat heart allografts, Mocravimod hydrochloride(orally; 0.1 and 1 mg/kg/day; for 100 days) prolongs graft survival and attenuates chronic rejection[1]. Mocravimod hydrochloride ameliorates atherosclerosis in LDL-R(-/-) Mice[2].

Solubility Information

Solubility	DMSO: 95 mg/mL (197.73 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 (6.87 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	2.0814 mL	10.4069 mL	20.8138 mL
5 mM	0.4163 mL	2.0814 mL	4.1628 mL
10 mM	0.2081 mL	1.0407 mL	2.0814 mL
50 mM	0.0416 mL	0.2081 mL	0.4163 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

Poti F, et al. KRP-203, sphingosine 1-phosphate receptor type 1 agonist, ameliorates atherosclerosis in LDL-R
Shimizu H, et al. KRP-203, a novel synthetic immunosuppressant, prolongs graft survival and attenuates
chronic rejection in rat skin and heart allografts. *Circulation*. 2005 Jan 18;111(2):222-9. Epub 2005 Jan 10.

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