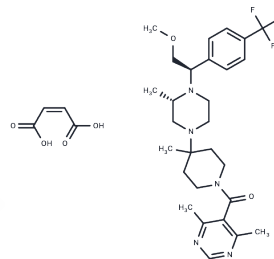


Vicriviroc maleate

Chemical Properties

CAS No. :	599179-03-0
Formula:	C ₃₂ H ₄₂ F ₃ N ₅ O ₆
Molecular Weight:	649.7
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	Vicriviroc maleate (SCH-417690 (maleate))(Sch-417690) is a piperazine-based CCR5 receptor antagonist with activity against human immunodeficiency virus. The IC ₅₀ value is 0.91 nM in clinical development for the treatment of HIV-1.
Targets(IC ₅₀)	HIV Protease,CCR

Solubility Information

Solubility	DMSO: 50 mg/mL (76.96 mM),Sonication is recommended. H ₂ O: 25 mg/mL (38.48 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.08 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	1.5392 mL	7.6959 mL	15.3917 mL
5 mM	0.3078 mL	1.5392 mL	3.0783 mL
10 mM	0.1539 mL	0.7696 mL	1.5392 mL
50 mM	0.0308 mL	0.1539 mL	0.3078 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

Edward O'Mara, Claudia Kasserra, John Robert Huddleston, et al. Antimicrob Agents Chemother. 2010; 54(6): 2448-2454.

Sanjay Bhattacharya, Husam Osman. Novel targets for anti-retroviral therapy. Journal of Infection. 2009,59(6): 377-386.

Maltêz, Fernandoa; Doroana, Manuelab; Branco, Teresac et al. Current Opinion in HIV & AIDS. 2011 ,6:S21-S30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481