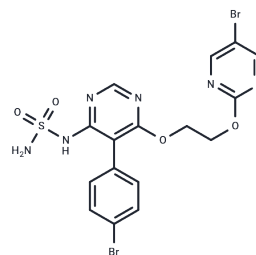


Aprocitentan

Chemical Properties

CAS No. :	1103522-45-7
Formula:	C ₁₆ H ₁₄ Br ₂ N ₆ O ₄ S
Molecular Weight:	546.19
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	Aprocitentan (ACT-132577) is ETA and ETB antagonist .
Targets(IC50)	Endothelin Receptor

Solubility Information

Solubility	DMSO: 65 mg/mL (119.01 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: 2 mg/mL (3.66 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	1.8309 mL	9.1543 mL	18.3086 mL
5 mM	0.3662 mL	1.8309 mL	3.6617 mL
10 mM	0.1831 mL	0.9154 mL	1.8309 mL
50 mM	0.0366 mL	0.1831 mL	0.3662 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

Trensz F , Bortolamiol C , Kramberg M , et al. PHARMACOLOGICAL CHARACTERIZATION OF APROCITENTAN, A DUAL ENDOTHELIN RECEPTOR ANTAGONIST, ALONE AND IN COMBINATION WITH BLOCKERS OF THE RENIN ANGIOTENSIN SYSTEM, IN TWO MODELS OF EXPERIMENTAL HYPERTENSION[J]. Journal of Pharmacology & Experimental Therapeutics, 2019.

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