

Sotatercept

Chemical Properties

CAS No. :	1001080-50-7
Formula:	
Molecular Weight:	38.94 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Sotatercept (ACE-011) is an activin receptor type IIA-Fc (ActRIIA-Fc) fusion protein and inhibitor of activin signaling. Sotatercept can be used in the study of pulmonary arterial hypertension.
Targets(IC50)	TGF-beta/Smad
In vitro	At a concentration of 100 µg/mL, Sotatercept was able to down-regulate the expression levels of VEGF, oncostatin M (OSM), IL-6, BMP-2, MMP-1 and MMP-13 secreted by stromal cells. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0257 mL	0.1284 mL	0.2568 mL
5 mM	0.0051 mL	0.0257 mL	0.0514 mL
10 mM	0.0026 mL	0.0128 mL	0.0257 mL
50 mM	0.0005 mL	0.0026 mL	0.0051 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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