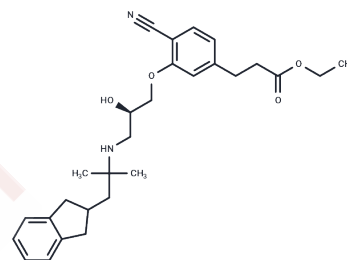


SB-423557

## Chemical Properties

CAS No. : 351490-26-1  
 Formula: C<sub>28</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 464.60  
 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	SB-423557 is an orally active antagonist of the calcium-sensing receptor (CaR), demonstrating an IC <sub>50</sub> of 520 nM.
Targets(IC <sub>50</sub> )	Calcium Channel, CaSR
In vivo	SB-423557 elicits transient increases in plasma concentrations of PTH, resulting in increased bone mass and strength in both vertebrae and long bones compared to that of OVX controls.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1524 mL	10.7619 mL	21.5239 mL
5 mM	0.4305 mL	2.1524 mL	4.3048 mL
10 mM	0.2152 mL	1.0762 mL	2.1524 mL
50 mM	0.043 mL	0.2152 mL	0.4305 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

Kumar S, et al. An orally active calcium-sensing receptor antagonist that transiently increases plasma concentrations of PTH and stimulates bone formation. Bone. 2010 Feb;46(2):534-42.

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