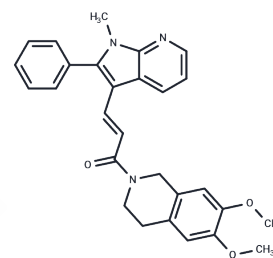


## (Rac)-SIS3 free base

## Chemical Properties

CAS No. :	1009104-85-1
Formula:	C <sub>28</sub> H <sub>27</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	453.53
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	SIS3 free base is a potent and selective inhibitor of Smad3 phosphorylation, effectively inhibiting the TGF- $\beta$ 1-induced myofibroblast differentiation of fibroblasts.
Targets(IC50)	TGF-beta/Smad
In vitro	SIS3 free base attenuates TGF-beta1-induced phosphorylation of Smad3 and the interaction of Smad3 with Smad4.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2049 mL	11.0246 mL	22.0493 mL
5 mM	0.441 mL	2.2049 mL	4.4099 mL
10 mM	0.2205 mL	1.1025 mL	2.2049 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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

Jinnin M, et al. Characterization of SIS3, a novel specific inhibitor of Smad3, and its effect on transforming growth factor-beta1-induced extracellular matrix expression. Mol Pharmacol. 2006 Feb;69(2):597-607. Epub 2005 Nov 15.

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