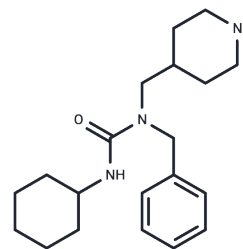


SRI-011381

## Chemical Properties

CAS No. : 1629138-41-5  
 Formula: C<sub>20</sub>H<sub>31</sub>N<sub>3</sub>O  
 Molecular Weight: 329.48  
 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	SRI-011381, a new-type agonist of the TGF-beta signaling pathway, is utilized in the treatment of Alzheimer's disease.
Targets(IC50)	TGF-beta/Smad

## Solubility Information

Solubility	DMSO: 125 mg/mL (379.39 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 (6.07 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	3.0351 mL	15.1754 mL	30.3509 mL
5 mM	0.607 mL	3.0351 mL	6.0702 mL
10 mM	0.3035 mL	1.5175 mL	3.0351 mL
50 mM	0.0607 mL	0.3035 mL	0.607 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

Jingyin Han, et al. The Improvement Effect of Sodium Ferulate on the Formation of Pulmonary Fibrosis in Silicosis Mice Through the Neutrophil Alkaline Phosphatase 3 (NALP3)/Transforming Growth Factor- $\beta$ 1 (TGF- $\beta$ 1)/ $\alpha$ -Smooth Muscle Actin ( $\alpha$ -SMA) Pathway.

Qian Wu, et al. Astrocytic YAP protects the optic nerve and retina in an experimental autoimmune encephalomyelitis model through TGF- $\beta$  signaling. *Theranostics*. 2021 Jul 25;11(17):8480-8499.

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