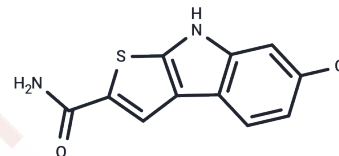


## Thienodolin

## Chemical Properties

CAS No. :	149127-27-5
Formula:	C <sub>11</sub> H <sub>7</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	250.70
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	Thienodolin, an alkaloid discovered in <i>S. albogriseolus</i> , enhances root and shoot growth in rice seedlings at a concentration of 4 $\mu$ M, but at 40 $\mu$ M, it inhibits growth. It suppresses LPS-induced nitric oxide (NO) production with an IC <sub>50</sub> of 17.2 $\mu$ M, diminishes LPS-induced rises in inducible NO synthase (iNOS) levels, and hinders LPS-induced I $\kappa$ B degradation in RAW 264.7 macrophages.
Targets(IC <sub>50</sub> )	Others,NF- $\kappa$ B,STAT

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9888 mL	19.9442 mL	39.8883 mL
5 mM	0.7978 mL	3.9888 mL	7.9777 mL
10 mM	0.3989 mL	1.9944 mL	3.9888 mL
50 mM	0.0798 mL	0.3989 mL	0.7978 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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