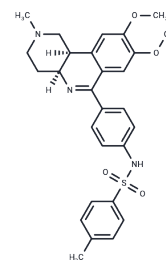


## Tolafentrine

## Chemical Properties

CAS No. :	139308-65-9
Formula:	C <sub>28</sub> H <sub>31</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	505.63
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	Tolafentrine is a dual-selective phosphodiesterase 3/4 (PDE3/4) inhibitor that has demonstrated significant acute and chronic effects in a rat model of pulmonary hypertension induced by monocrotaline. Studies indicate that prolonged administration notably alleviates hemodynamic and gas exchange abnormalities caused by monocrotaline, reduces right ventricular hypertrophy, and normalizes changes in pulmonary vascular remodeling.
Targets(IC50)	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9777 mL	9.8887 mL	19.7773 mL
5 mM	0.3955 mL	1.9777 mL	3.9555 mL
10 mM	0.1978 mL	0.9889 mL	1.9777 mL
50 mM	0.0396 mL	0.1978 mL	0.3955 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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