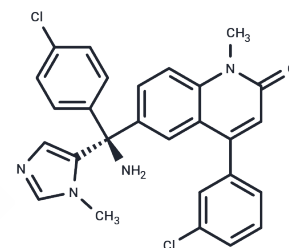


## Tipifarnib (S enantiomer)

## Chemical Properties

CAS No. :	192185-71-0
Formula:	C <sub>27</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>4</sub> O
Molecular Weight:	489.4
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	Tipifarnib S enantiomer ((S)-(-)-R-115777) is the S-enantiomer of Tipifarnib. Tipifarnib is a potent and specific farnesyltransferase inhibitor (IC <sub>50</sub> : 0.6 nM).
Targets(IC <sub>50</sub> )	Transferase

## Solubility Information

Solubility	DMSO: 25 mg/mL (51.08 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 (4.09 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	2.0433 mL	10.2166 mL	20.4332 mL
5 mM	0.4087 mL	2.0433 mL	4.0866 mL
10 mM	0.2043 mL	1.0217 mL	2.0433 mL
50 mM	0.0409 mL	0.2043 mL	0.4087 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

Kraus JM, et al. Rational modification of a candidate cancer drug for use against Chagas disease. J Med Chem. 2009 Mar 26;52(6):1639-47.

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