

## Remodelin hydrobromide

## Chemical Properties

CAS No. :	1622921-15-6
Formula:	C <sub>15</sub> H <sub>15</sub> BrN <sub>4</sub> S
Molecular Weight:	363.275
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Remodelin hydrobromide (Remodelin HBR) is a novel potent and selective inhibitor of the acetyl-transferase protein NAT10.
Targets(IC50)	RAAS,Histone Acetyltransferase
In vivo	Remodelin restores nuclear morphology and enhances the resilience of the nucleus in HGPS cells by depleting LMNA through microtubule reorganization, mediated by its inhibition of NAT10.

## Solubility Information

Solubility	DMSO: 150 mg/mL (412.91 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (11.01 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

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	1mg	5mg	10mg
1 mM	2.7527 mL	13.7635 mL	27.527 mL
5 mM	0.5505 mL	2.7527 mL	5.5054 mL
10 mM	0.2753 mL	1.3763 mL	2.7527 mL
50 mM	0.0551 mL	0.2753 mL	0.5505 mL

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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

Larrieu D, et al. Science. 2014, 344(6183), 527-532.

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