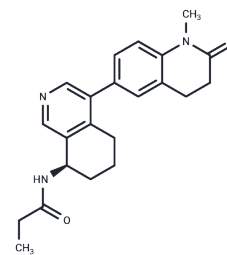


## Baxdrostat

## Chemical Properties

CAS No. :	1428652-17-8
Formula:	C <sub>22</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	363.45
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	Baxdrostat is an aldosterone synthase inhibitor.
Targets(IC50)	Glucocorticoid Receptor,Others

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble) DMSO: 90 mg/mL (247.63 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: 3.3 mg/mL (9.08 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	2.7514 mL	13.7571 mL	27.5141 mL
5 mM	0.5503 mL	2.7514 mL	5.5028 mL
10 mM	0.2751 mL	1.3757 mL	2.7514 mL
50 mM	0.055 mL	0.2751 mL	0.5503 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

Forzano I, et al. The selective aldosterone synthase inhibitor Baxdrostat significantly lowers blood pressure in patients with resistant hypertension. Front Endocrinol (Lausanne). 2022 Dec 9;13:1097968.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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