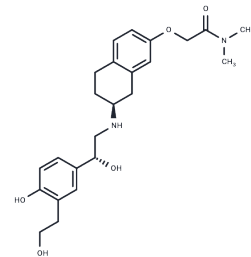


## Bedoradrine

## Chemical Properties

CAS No. :	194785-19-8
Formula:	C <sub>24</sub> H <sub>32</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	428.52
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Bedoradrine (MN-221) free base is a novel, highly selective $\beta$ 2-adrenoceptor agonist for the treatment of asthma and chronic obstructive pulmonary disease.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 55 mg/mL (128.35 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3336 mL	11.6681 mL	23.3361 mL
5 mM	0.4667 mL	2.3336 mL	4.6672 mL
10 mM	0.2334 mL	1.1668 mL	2.3336 mL
50 mM	0.0467 mL	0.2334 mL	0.4667 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

House SL, et al. Efficacy of a new intravenous  $\beta$ 2-adrenergic agonist (bedoradrine, MN-221) for patients with an acute exacerbation of asthma. *Respir Med.* 2015 Oct;109(10):1268-73.

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