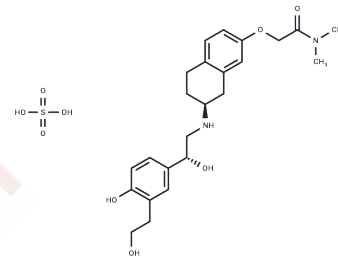


## Bedoradrine sulfate

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 194785-31-4  |
| Formula:          | C <sub>24</sub> H <sub>32</sub> N <sub>2</sub> O <sub>5</sub> .1/2H <sub>2</sub> O <sub>4</sub> S  |
| Molecular Weight: | 477.56   |
| Storage:          | Store at low temperature<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



## Biological Description

|               |   |
|---------------|---|
| Description   | Bedoradrine sulfate (MN-221 sulfate) 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: 50 mg/mL (104.7 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.094 mL  | 10.4699 mL | 20.9398 mL |
| 5 mM  | 0.4188 mL | 2.094 mL   | 4.188 mL   |
| 10 mM | 0.2094 mL | 1.047 mL   | 2.094 mL   |
| 50 mM | 0.0419 mL | 0.2094 mL  | 0.4188 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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