

## Amoxicillin impurity 5

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 188112-75-6  |
| Formula:          | C <sub>24</sub> H <sub>26</sub> N <sub>4</sub> O <sub>7</sub> S  |
| Molecular Weight: | 514.55   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |  |
|---------------|--|
| Description   | Amoxicillin Impurity 5 is an impurity associated with Amoxicillin. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9434 mL | 9.7172 mL | 19.4345 mL |
| 5 mM  | 0.3887 mL | 1.9434 mL | 3.8869 mL  |
| 10 mM | 0.1943 mL | 0.9717 mL | 1.9434 mL  |
| 50 mM | 0.0389 mL | 0.1943 mL | 0.3887 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.

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