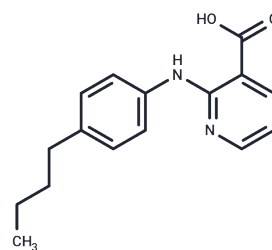


## Butanixin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 55285-35-3  |
| Formula:          | C <sub>16</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>   |
| Molecular Weight: | 270.33  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Butanixin (2-[(4-Butylphenyl)amino]-3-pyridinecarboxylic acid) is a cyclooxygenase (COX) inhibitor. It reduces prostaglandin production, thereby exerting anti-inflammatory and analgesic effects. Butanixin can be utilized in the research of musculoskeletal disorders. |
| Targets(IC50) | COX  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.6992 mL | 18.4959 mL | 36.9918 mL |
| 5 mM  | 0.7398 mL | 3.6992 mL  | 7.3984 mL  |
| 10 mM | 0.3699 mL | 1.8496 mL  | 3.6992 mL  |
| 50 mM | 0.074 mL  | 0.3699 mL  | 0.7398 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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