

## Angoline hydrochloride

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 1071676-04-4                                             |
| Formula:          | C <sub>22</sub> H <sub>22</sub> ClNO <sub>5</sub>        |
| Molecular Weight: | 415.87                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |

### Biological Description

|             |                                                                                                                                                                                                                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Angoline hydrochloride, a selective inhibitor of the IL6/STAT3 signaling pathway, demonstrates potent activity with an IC <sub>50</sub> value of 11.56 μM. It effectively inhibits STAT3 phosphorylation and the expression of its target genes, subsequently reducing cancer cell proliferation [1]. |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.4046 mL | 12.023 mL | 24.046 mL |
| 5 mM  | 0.4809 mL | 2.4046 mL | 4.8092 mL |
| 10 mM | 0.2405 mL | 1.2023 mL | 2.4046 mL |
| 50 mM | 0.0481 mL | 0.2405 mL | 0.4809 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.

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