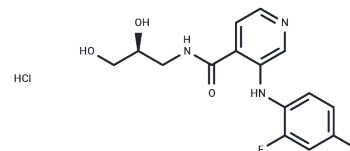


## Pimasertib HCl

### Chemical Properties

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| CAS No. :         | 1236361-78-6                                                      |
| Formula:          | C <sub>15</sub> H <sub>16</sub> ClFIN <sub>3</sub> O <sub>3</sub> |
| Molecular Weight: | 467.66                                                            |
| Appearance:       | no data available                                                 |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year          |



### Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Pimasertib HCl is an orally bioavailable small-molecule inhibitor of MEK1 and MEK2 (MEK1/2) with potential antineoplastic activity. Pimasertib selectively binds to and inhibits the activity of MEK1/2, preventing the activation of MEK1/2-dependent effector proteins and transcription factors, which may result in the inhibition of growth factor-mediated cell signaling and tumor cell proliferation. MEK1/2 (MAP2K1/K2) are dual-specificity threonine/tyrosine kinases that play key roles in the activation of the RAS/RAF/MEK/ERK pathway and are often upregulated in a variety of tumor cell types. |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1383 mL | 10.6915 mL | 21.3831 mL |
| 5 mM  | 0.4277 mL | 2.1383 mL  | 4.2766 mL  |
| 10 mM | 0.2138 mL | 1.0692 mL  | 2.1383 mL  |
| 50 mM | 0.0428 mL | 0.2138 mL  | 0.4277 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use**

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