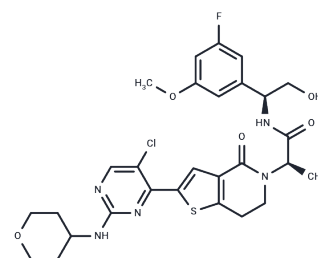


## ERK1/2 inhibitor 4

### Chemical Properties

CAS No. : 2490396-99-9  
Formula: C<sub>28</sub>H<sub>31</sub>ClFN<sub>5</sub>O<sub>5</sub>S  
Molecular Weight: 604.09  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | ERK1/2 Inhibitor 5, a potent suppressant of the ERK1/2 pathway, is instrumental in the mitogen-activated protein kinase (MAPK) signal transduction pathway, where extracellular signal-regulated kinase (ERK) serves as a critical component of the MAPK family. This compound holds promise for the investigation or mitigation of cancer, inflammation, or various proliferative diseases[1]. |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.6554 mL | 8.2769 mL | 16.5538 mL |
| 5 mM  | 0.3311 mL | 1.6554 mL | 3.3108 mL  |
| 10 mM | 0.1655 mL | 0.8277 mL | 1.6554 mL  |
| 50 mM | 0.0331 mL | 0.1655 mL | 0.3311 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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