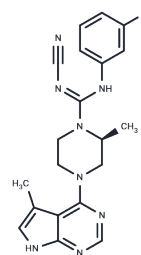


LIMK-IN-22j

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1116571-01-7 |
| Formula: | C ₂₀ H ₂₁ BrN ₈ |
| Molecular Weight: | 453.34 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | LIMK-IN-22j (LIMK inhibitor 22j) is an effective and selective inhibitor of LIMK. |
| Targets(IC50) | LIM Kinase,ROCK |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 55 mg/mL (121.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.2058 mL | 11.0292 mL | 22.0585 mL |
| 5 mM | 0.4412 mL | 2.2058 mL | 4.4117 mL |
| 10 mM | 0.2206 mL | 1.1029 mL | 2.2058 mL |
| 50 mM | 0.0441 mL | 0.2206 mL | 0.4412 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.

Reference

- Wu J, Liu S, Fan Z, Zhang L, Tian Y, Yang R. A novel and selective inhibitor of PKC ζ potently inhibits human breast cancer metastasis in vitro and in mice. *Tumour Biol.* 2016 Jun;37(6):8391-401.
- Kremer D, Heinen A, Jadasz J, Göttle P, Zimmermann K, Zickler P, Jander S, Hartung HP, Küry P. p57kip2 is dynamically regulated in experimental autoimmune encephalomyelitis and interferes with oligodendroglial maturation. *Proc Natl Acad Sci U S A.* 2009 Jun 2;106(22):9087-92.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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