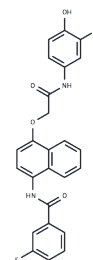


TCRS-417

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 2032123-28-5 |
| Formula: | C ₂₅ H ₁₉ FN ₂ O ₅ |
| Molecular Weight: | 446.43 |
| Storage: | Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | TCRS-417 (T417) inhibits PBX1-DNA interaction in mammalian cells or cell clusters, used in autoimmune and neurodegenerative disease research. |
| Targets(IC50) | Others,MAPK,DNA/RNA Synthesis |
| In vitro | TCRS-417 (0 μM, 2.5 μM, 5 μM, 7.5 μM and 10 μM, 48h) can effectively interfere with PBX1-DNA interactions. [1] |
| In vivo | TCRS-417(2.5 mg/kg intraperitoneally injected) inhibited tumor growth in mice xenografted with SKOV3CRLuc. [1] |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 80 mg/mL (179.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 2.240 mL | 11.200 mL | 22.3999 mL |
| 5 mM | 0.448 mL | 2.240 mL | 4.480 mL |
| 10 mM | 0.224 mL | 1.120 mL | 2.240 mL |
| 50 mM | 0.0448 mL | 0.224 mL | 0.448 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

Small molecule compounds targeting pbx1 transcriptional complex.WO2016172437.

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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