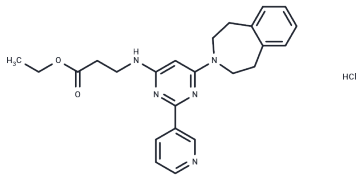
# Data Sheet (Cat.No.T22820)

TargetMol
YOUR TARGET MOLECULES

## GSK J5 HCl (1394854-51-3 free base)

### Chemical Properties



CAS No. :

Formula: C24H28ClN5O2

Molecular Weight: 453.96

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

| | |
|---|---|
| Description | GSK J5 HCl is the hydrochloride form of GSK J5. GSK J5 is an inactive isomer of GSK J4 and a cell-permeable ester derivative of inactive control GSK J2. |
| Targets(IC50) | Others |
| In vitro | KDM6B-specific pharmacological inhibitor GSK-J4 had a significant anti-proliferative effect in AML cell lines and freshly isolated BM monocytes (MNCs) from AML patients, while H3K27me3 levels were also increasing. GSK-J4 also caused apoptosis and cell cycle arrest in vitro, and reduced tumor burden in vivo in AML xenograft mouse models. |
| In vivo | It is worth noting that the injection of GSK-J4 attenuated disease progression in a human AML xenograft mouse model. Treatment with GSK-J4 mainly resulted in the downregulation of DNA replication and cell cycle-related pathways and prevents the expression of HOX, a key cancer gene. ChIP-qPCR verified the increased H3K27me3 enrichment in the HOX gene transcription initiation site [1]. |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: Soluble,<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.2028 mL | 11.0142 mL | 22.0284 mL |
| 5 mM | 0.4406 mL | 2.2028 mL | 4.4057 mL |
| 10 mM | 0.2203 mL | 1.1014 mL | 2.2028 mL |
| 50 mM | 0.0441 mL | 0.2203 mL | 0.4406 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.

Reference

Kruidenier L, Chung CW, Cheng Z, Liddle J, Che K, Joberty G, Bantscheff M, Bountra C, Bridges A, Diallo H, Eberhard D, Hutchinson S, Jones E, Katso R, Leveridge M, Mander PK, Mosley J, Ramirez-Molina C, Rowland P, Schofield CJ,