**GSK-J1 (cell impermeable)**

**Catalog No:** 14068, 14069  
**Format:** 25 mg, 5 mg

**Chemical Properties:**  
MW = 389.5  
C$_{22}$H$_{23}$N$_5$O$_2$  
CAS 1373422-53-7  
Physical Properties: Pale yellow powder  
**Names:** N-[2-(2-Pyridinyl)-6-(1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl)-4-pyrimidinyl]-β-alanine

**Pharmacology:** A potent and selective inhibitor of jumonji H3K27 histone demethylases JMJD3 and UTX (IC$_{50}$ = 60 nM, human JMJD3). This is the first known inhibitor selective for the H3K27me3-specific JMj subfamily which binds to the active catalytic site of the enzyme. The COOH group confers cell impermeability and as such is useful as a standard *in vitro* assay. A cell permeable ethyl ester analog is also available (Catalog No. 14070).

**Solubilization:** May be dissolved in DMSO (20 mg/ml, warm)

**Fluorescent Properties:** N/A

**Quality Control:**  
>99% (TLC); NMR (Conforms)

References:  

**Storage and Guarantee:** Store desiccated as supplied at room temperature for up to 2 years. Store solutions at -20°C for up to 3 months. This product is guaranteed for 6 months from date of arrival.