

GSK-J4 (cell permeable)

Catalog No: 14070, 14071

Format: 25 mg, 5 mg

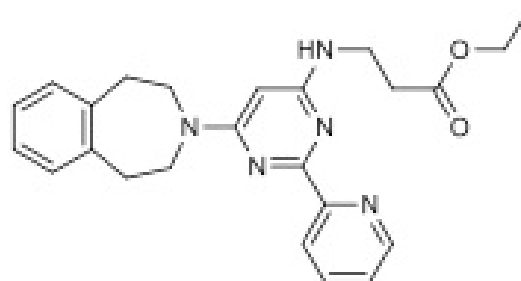
Chemical Properties:

MW = 417.5

C₂₄H₂₇N₅O₂

CAS 1373423-53-0

Physical Properties: Yellow wax

Names: N-[2-(2-Pyridinyl)-6-(1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl)-4-pyrimidinyl]-β-alanine ethyl ester**Pharmacology:** Histone demethylase JMJD3/UTX inhibitor. Inhibits demethylation of histone H3K27. Reduces LPS-induced proinflammatory cytokine production in primary human macrophages (IC₅₀ = 9 μM for the inhibition of TNFα release). Cell permeable, ethyl ester of GSK J1 (Catalog No. 14068)(ref1). Rescues newborn pups from embryonic lethality in BRAF knockin mice which recapitulate major features of RASopathies (ref2).**Solubilization:** May be dissolved in DMSO (40 mg/ml); Ethanol (40 mg/ml)**Fluorescent Properties:** N/A**Quality Control:**

>99% (TLC); NMR (Conforms)

References:

1. L Kruidenier *et al. Nature* 2012, 488:404
2. SI Inoue *et al. Hum. Mol. Genet.* 2014 July 17, Epub.

Storage and Guarantee: Store desiccated as supplied at -20°C 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.