

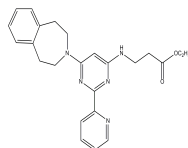
Product: GSK-J4 (Free base)

ALTERNATE NAME: N-[2-(2-Pyridinyl)-6-(1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl)-4-pyrimidinyl]-β-alanine ethyl ester

CATALOG #: 2762-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₇N₅O₂

MOLECULAR WEIGHT: 417.50

CAS NUMBER: 1373423-53-0

APPEARANCE: Yellow waxy solid

SOLUBILITY: DMSO (~ 40 mg/ml) or EtOH (~ 40 mg/ml)

PURITY: ≥99% by TLC

STORAGE: Store at -20 °C. Protect from light and moisture

DESCRIPTION: GSK- J4 is cell-permeable ethyl ester of GSK-J1 (Cat. Nos. 2260 & 2761). Acts as a 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). Rescues newborn pups from embryonic lethality in BRAF knockin mice which recapitulate major features of RASopathies.

REFERENCE: Kruidenier, L., *et al.* (2012). *Nature* **488**, 404-408.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Caffeic acid (Cat. No. 2303-50, 250)

Clorgyline hydrochloride (Cat. No. 2622-10, 50)

Daminozide (Cat. No. 2438-100, 500)

Disulfiram (Cat. No. 2308-10, 50)

Ebselen (Cat. No. 2169-5, 25)

GSK-J4 hydrochloride (Cat. No. 2259-1, 5)

GSK-J1 sodium (Cat. No. 2260-1, 5)

GSK-J1 (Cat. No. 2761-1,5)

Harmine (Cat. No. 2561-50, 250)

IOX1 (Cat. No. 2266-5, 25)

Jumonji HDM Inhibitor, JOB-04 (Cat. No. 2474-5, 25)

Jumonji HDM Inhibitor, PBIT (Cat. No. 2475-5, 25)

β-Lapachone (Cat. No. 2262-5, 25)

Pargyline hydrochloride (Cat. No. 2618-500, 1000)

2,4-PDCA (Cat. No. 2304-100, 500)

Rasagiline mesylate (Cat. No. 2237-50, 250)

Tranylcypromine hemisulfate (Cat. No. 1816-25, 100)

FOR RESEARCH USE ONLY! Not to be used on humans.