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DATASHEET

GSK J1

Product overview

Name	GSK J1
Cat No	HB1405
Alternative names	GSK-J1
Biological action	Inhibitor
Purity	>99%
Description	Potent, selective histone demethylase KDM6 subfamily inhibitor

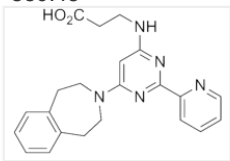
Biological Data

Biological description	Potent and selective histone demethylase KDM6 subfamily inhibitor, selective for JMJD3 and UTX (IC ₅₀ = 60 nM for human JMJD3). Reduces macrophage proinflammatory cytokine production.
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Solubility & Handling

Storage instructions	room temperature (desiccate)
Solubility overview	Soluble in DMSO (100mM) or ethanol (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	N-[2-(2-Pyridinyl)-6-(1,2,4,5-tetrahydro-3H-benzazepin-3-yl)-4-pyrimidinyl]-β-alanine
Molecular Weight	389.45
Chemical structure	

Molecular Formula	C ₂₂ H ₂₃ N ₅ O ₂
CAS Number	1373422-53-7
PubChem identifier	56963315
SMILES	O=C(CCNC1=NC(C2=CC=CC=N2)=NC(N3CCC(C=CC=C4)=C4CC3)=C1)O
InChIKey	AVZCPICCWKMZDT-UHFFFAOYSA-N

References

A selective jumonji H3K27 demethylase inhibitor modulates the proinflammatory macrophage response.

Kruiderien L *et al* (2012) Nature 488(7411)

PubMedID [22842901](#)

