

Product Datasheet

Kenpaullone (orb1305901)

Catalog Number	orb1305901
Category	Small Molecules
Description	Kenpaullone (9-Bromopaullone) is a potent CDK1/2/5 inhibitor that promotes induced regulatory T (iTreg) cell differentiation via enhanced TGFβ-Smad3 signaling and sustained foxp3 transcription. It is applied in immunology research, including autoimmune disease and cancer immunotherapy studies, utilizing both in vitro and in vivo experimental models.
Target	Kinase
Form/Appearance	powder
Purity	>98%
MW	327.2
Biological Activity	GSK-3beta, CDK, KLF4 inhibitor
Target Areas	CDK GSK-3
Solubility (25°C)	Soluble in DMSO (up to 35 mg/ml)
CAS Number	142273-20-9
Formula	C ₁₆ H ₁₁ BrN ₂ O
SMILES	<chem>Brc1ccc2[nH]c-3c(CC(=O)Nc4ccccc-34)c2c1</chem>
Chemical Name	9-Bromo-7,12-dihydro-indolo[3,2-d][1]benzazepin-6(5H)-one
Storage	RT
Note	For research use only

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Expiration Date

12 months from date of receipt.

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