

Product Datasheet

RGB-286638 free base (orb1305572)

Catalog Number	orb1305572
Category	Small Molecules
Description	RGB-286638 free base is a potent and selective cyclin-dependent kinase (CDK) inhibitor, exhibiting single-digit nM IC50 values against CDK1, CDK2, CDK3, CDK4, CDK5, and CDK9, with reduced activity against CDK6 and CDK7. This tool compound is used in biochemical and cellular research to investigate CDK function in cell cycle progression, transcription, and associated diseases.
Target	JAK,GSK-3,MEK,CDK
Purity	99.91% (May vary between batches)
MW	545.63
Target Areas	JAK MEK CDK GSK-3
Solubility (25°C)	0.1M HCl:1 mg/mL (1.83 mM);15% Solutol HS-15 in Saline:10 mg/mL (18.33 mM);DMSO:Slightly soluble
CAS Number	784210-88-4
Formula	C ₂₉ H ₃₅ N ₇ O ₄
SMILES	COCCN1CCN(Cc2ccc(cc2)-c2n[nH]c3-c4cccc(NC(=O)NN5CCOCC5)c4C(=O)c23)CC1
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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