

RGB-286638

Chemical Properties

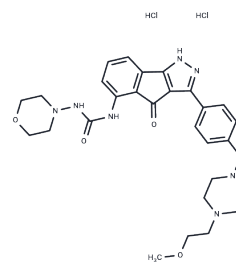
CAS No. : 784210-87-3

Formula: C₂₉H₃₇Cl₂N₇O₄

Molecular Weight: 618.55

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	RGB-286638 is a multi-target CDK inhibitor that effectively hampers the kinase activity of a range of cyclin-CDK complexes, including cyclin T1-CDK9 (IC ₅₀ = 1 nM), cyclin B1-CDK1 (IC ₅₀ = 2 nM), cyclin E-CDK2 (IC ₅₀ = 3 nM), cyclin D1-CDK4 (IC ₅₀ = 4 nM), cyclin E-CDK3 (IC ₅₀ = 5 nM), and p35-CDK5 (IC ₅₀ = 5 nM). Additionally, it inhibits other kinases such as GSK-3β (IC ₅₀ = 3 nM), TAK1 (IC ₅₀ = 5 nM), Jak2 (IC ₅₀ = 50 nM), and MEK1 (IC ₅₀ = 54 nM), showcasing its versatile inhibitory potential.
Targets(IC ₅₀)	Others,MEK,CDK,GSK-3,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6167 mL	8.0834 mL	16.1668 mL
5 mM	0.3233 mL	1.6167 mL	3.2334 mL
10 mM	0.1617 mL	0.8083 mL	1.6167 mL
50 mM	0.0323 mL	0.1617 mL	0.3233 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481