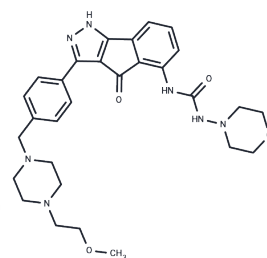


RGB-286638 free base

Chemical Properties

CAS No. : 784210-88-4
 Formula: C₂₉H₃₅N₇O₄
 Molecular Weight: 545.63
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	RGB-286638 free base is a novel CDK inhibitor with IC ₅₀ s of 1 nM/2 nM/3 nM/4 nM/5 nM for cyclin T1-CDK9/cyclin B1-CDK1/cyclin E-CDK2/cyclin D1-CDK4/cyclin E-CDK3/p35-CDK5 respectively; less potent against cyclin H-CDK7 and cyclin D3-CDK6.
Targets(IC ₅₀)	MEK,CDK,GSK-3,JAK

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8327 mL	9.1637 mL	18.3274 mL
5 mM	0.3665 mL	1.8327 mL	3.6655 mL
10 mM	0.1833 mL	0.9164 mL	1.8327 mL
50 mM	0.0367 mL	0.1833 mL	0.3665 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.

Reference

Cirstea D, et al. Leukemia. 2013 Dec;27(12):2366-75.

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