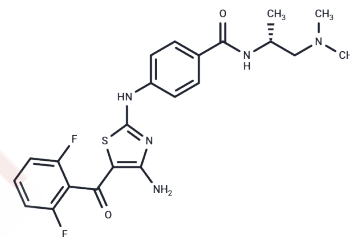


AG-012986

Chemical Properties

CAS No. : 486414-35-1
 Formula: C₂₂H₂₃F₂N₅O₂S
 Molecular Weight: 459.51
 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	AG-012986 is a multitargeted cyclin-dependent kinase (CDK) inhibitor active against CDK1, CDK2, CDK4/6, CDK5, and CDK9, with selectivity over a diverse panel of non-CDK kinases. AG-012986 showed antiproliferative activities in vitro with IC ₅₀ s of 100 nmol/L in 14 of 18 tumor cell lines. In vivo, significant antitumor efficacy induced by AG-012986 was seen (tumor growth inhibition, >83.1%) in 10 of 11 human xenograft tumor models. AG-012986 also showed dose-dependent retinoblastoma Ser(795) hypophosphorylation, cell cycle arrest, decreased Ki-67 tumor staining, and apoptosis in conjunction with antitumor activity.
Targets(IC ₅₀)	Others,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1762 mL	10.8812 mL	21.7623 mL
5 mM	0.4352 mL	2.1762 mL	4.3525 mL
10 mM	0.2176 mL	1.0881 mL	2.1762 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

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