Data Sheet (Cat.No.T69197)



AG-012986 HCl

Chemical Propert	ies and a second se
CAS No. :	486414-32-8
Formula:	C22H25Cl2F2N5O2S
Molecular Weight:	532.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	AG-012986 HCl 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 HCl 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 HCl was seen (tumor growth inhibition, >83.1%) in 10 of 11 human xenograft tumor models. AG-012986 HCl also showed dose-dependent retinoblastoma Ser(795) hypophosphorylation, cell cycle arrest, decreased Ki-67 tumor staining, and apoptosis in conjunction with antitumor activity.

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.8782 mL	9.39 <mark>09 mL</mark>	18.7818 mL	
5 mM	0.3756 mL	1.8782 mL	3.7564 mL	
10 mM	0.1878 mL	0.9391 mL	1.8782 mL	
50 mM	0.0376 mL	0.1878 mL	0.3756 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.

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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