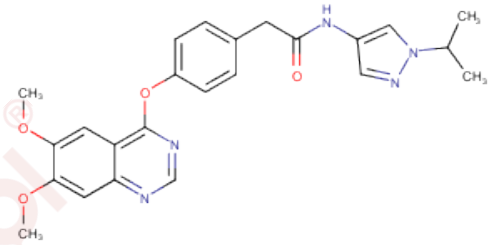
Data Sheet (Cat.No.T1836)

TargetMol
A DRUG SCREENING EXPERT

AZD2932

Chemical Properties



CAS No. : 883986-34-3

Formula: C24H25N5O4

Molecular Weight: 447.49

Appearance: no data available

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

Biological Description

Description	AZD2932 is a potent and multi-targeted kinase inhibitor VEGFR2, PDGFβ, Flt-3, and c-Kit.
Targets(IC50)	VEGFR,FLT,PDGFR,c-Kit
In vitro	In the C6 rat glioma model, oral administration of AZD2932 (12.5 or 50 mg/kg, b.i.d.) was able to inhibit tumor growth. Additionally, in xenografts with tumors not expressing PDGFβ, oral doses of AZD2932 (50 mg/kg, b.i.d.) succeeded in suppressing the growth of Calu-6 and LoVo tumors.
In vivo	AZD2932 effectively inhibits the phosphorylation of PDGFRα and PDGFRβ, demonstrating strong activity against a variety of receptors including VEGFR-2 (IC50=8 nM), PDGFRβ (IC50=4 nM), Flt-3 (IC50=7 nM), and c-Kit (IC50=9 nM).
Kinase Assay	Kinase Assays : In vitro kinase IC50 values are measured using 33P filtration binding assay after 1 hour incubation of kinase, 33P-ATP, Ibrutinib, and substrate [0.2 mg/mL poly(EY)(4:1]. Assays are performed at Reaction Biology.

Solubility Information

Solubility	DMSO: 82 mg/mL (183.2 mM), H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 5 mg/mL (11.17 mM),warmed (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2347 mL	11.1734 mL	22.3469 mL
5 mM	0.4469 mL	2.2347 mL	4.4694 mL
10 mM	0.2235 mL	1.1173 mL	2.2347 mL
50 mM	0.0447 mL	0.2235 mL	0.4469 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

Plé PA, et al. Bioorg Med Chem Lett, 2012, 22(1), 262-266

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481