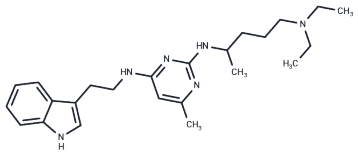
Data Sheet (Cat.No.T25125)

TargetMol
YOUR TARGET MOLECULES

AZA197

Chemical Properties



CAS No. : 1249398-09-1

Formula: C24H36N6

Molecular Weight: 408.58

Appearance: no data available

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

Biological Description

Description	AZA197 (AZA-197) is a selective Cdc42 inhibitor. It acts by inhibiting primary colon cancer growth and prolonging survival in a preclinical mouse xenograft model by downregulation of PAK1 activity.
Targets(IC50)	CDK
In vitro	In SW620 and HT-29 human colon cancer cells, AZA197(1, 2, 5 and 10 μM; 24 h) demonstrated selectivity for Cdc42 without inhibition of Rac1 or RhoA GTPases from the same family. AZA197 suppressed colon cancer cell proliferation, cell migration and invasion and increased apoptosis associated with down-regulation of the PAK1 and ERK signaling pathways in vitro[1].
In vivo	Systemic AZA197(i.p. injections with 100 μg) treatment reduced tumor growth in vivo and significantly increased mouse survival in SW620 tumor xenografts. Ki-67 staining and tissue TUNEL assays showed that both inhibition of cell proliferation and induction of apoptosis associated with reduced PAK/ERK activation contributed to the AZA197-induced therapeutic effects in vivo[1].

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4475 mL	12.2375 mL	24.475 mL
5 mM	0.4895 mL	2.4475 mL	4.895 mL
10 mM	0.2448 mL	1.2238 mL	2.4475 mL
50 mM	0.049 mL	0.2448 mL	0.4895 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

Zins K, et al. Targeting Cdc42 with the small molecule drug AZA197 suppresses primary colon cancer growth and prolongs survival in a preclinical mouse xenograft model by downregulation of PAK1 activity. J Transl Med. 2013