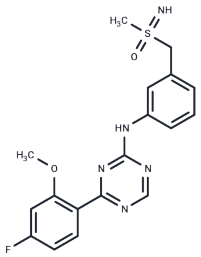
Data Sheet (Cat.No.T10464)

TargetMol

(R)-Atuveciclib

Chemical Properties



CAS No. : 2923012-24-0

Formula: C18H18FN5O2S

Molecular Weight: 387.43

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	(R)-Atuveciclib is an isomer of Atuveciclib. Atuveciclib (BAY 1143572) is a potent and highly selective PTEFb/CDK9 inhibitor with an IC50 value of 13 nm for CDK9/CycT1 and a selectivity ratio of 100 for CDK2, with highly bioavailable and orally available advantages.
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 128.5 mg/mL (331.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5811 mL	12.9056 mL	25.8111 mL
5 mM	0.5162 mL	2.5811 mL	5.1622 mL
10 mM	0.2581 mL	1.2906 mL	2.5811 mL
50 mM	0.0516 mL	0.2581 mL	0.5162 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.

Reference

Lücking U, et al. Identification of Atuveciclib (BAY 1143572), the First Highly Selective, Clinical PTEFb/CDK9 Inhibitor for the Treatment of Cancer. ChemMedChem. 2017 Nov 8;12(21):1776-1793.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481