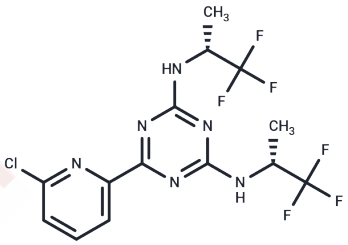
Data Sheet (Cat.No.T7307)

TargetMol

Vorasidenib

Chemical Properties



CAS No. : 1644545-52-7

Formula: C14H13ClF6N6

Molecular Weight: 414.74

Storage: Store at low temperature
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	Vorasidenib (PVM/MA) is an inhibitor of mutant isocitrate dehydrogenase (IDH; IC50s = 31.9 and 31.7 nM for IDH1R132H and IDH2R140Q, respectively)
Targets(IC50)	Isocitrate Dehydrogenase (IDH)
In vivo	Vorsidenib reduces tumor growth in a TS603-IDH1R132H mouse xenograft model when administered at a dose of 50 mg/kg.

Solubility Information

Solubility	DMSO: 63.75 mg/mL (153.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.96 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4111 mL	12.0557 mL	24.1115 mL
5 mM	0.4822 mL	2.4111 mL	4.8223 mL
10 mM	0.2411 mL	1.2056 mL	2.4111 mL
50 mM	0.0482 mL	0.2411 mL	0.4822 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

Zakkula A, Dittakavi S, Maniyar MM,et al.Validated HPLC method for simultaneous quantification of mutant IDH1/2 inhibitors (enasidenib, ivosidenib and vorasidenib) in mouse plasma: Application to a pharmacokinetic study[J]. Biomed Chromatogr. 2019 Nov;33(11):e4658.

Tianfang M , Fangxia Z , Stefan P , et al. Inhibitors of Mutant Isocitrate Dehydrogenases 1 and 2 (mIDH1/2): an Update and Perspective[J]. Journal of Medicinal Chemistry, 2018:acs.jmedchem.8b00159-.