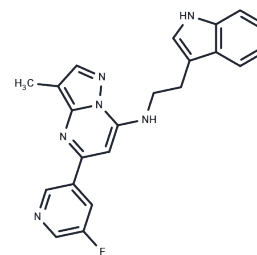


KYN-101

Chemical Properties

CAS No. : 2247950-73-6
 Formula: C22H19FN6
 Molecular Weight: 386.43
 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	KYN-101 is an orally active and selective aryl hydrocarbon receptor (AHR) inhibitor with anticancer activity. KYN-101 decreases CYP1A1 mRNA expression and can be used in the study of breast cancer and acute myeloid leukemia. KYN-101 is an orally active and selective aryl hydrocarbon receptor (AHR) inhibitor with anticancer activity.
Targets(IC50)	AhR,Aryl Hydrocarbon Receptor
In vivo	KYN-101 (10 mg/kg; once daily for 12 days; oral administration) treatment in 6-8-week-old C57BL/6J mice (B16ID0 tumor-bearing mice) significantly reduced tumor growth. Additionally, the combination of KYN-101 and anti-PD-1 antibody further delayed tumor growth and extended survival in CT26 models[1].

Solubility Information

Solubility DMSO: 80 mg/mL (207.02 mM),Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5878 mL	12.939 mL	25.8779 mL
5 mM	0.5176 mL	2.5878 mL	5.1756 mL
10 mM	0.2588 mL	1.2939 mL	2.5878 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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

Campeato LF, et al. Blockade of the AHR restricts a Treg-macrophage suppressive axis induced by L-Kynurenine. Nat Commun. 2020 Aug 11;11(1):4011.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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