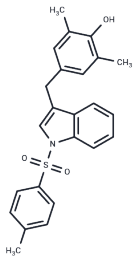
Data Sheet (Cat.No.T77754)

TargetMol

ALK-IN-26

Chemical Properties



CAS No. : 2447607-85-2

Formula: C24H23NO3S

Molecular Weight: 405.51

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	ALK-IN-26 is an ALK inhibitor with potential anticancer activity, demonstrating antiproliferative effects against glioblastoma and inducing apoptosis, autophagy, and necrosis.
Targets(IC50)	Caspase,ALK,mTOR,PARP
In vitro	In GL261 cells, ALK-IN-26 (0.5 μM, 1.0 μM, 2.0 μM; 24 hours, 48 hours, 72 hours) induced apoptosis of glioblastoma in a concentration- and time-dependent manner, and resulted in cells (24.5%) entering the S phase when treated with 1 μM for 72 hours, but barely proceeding to the G2/M phase[1].
In vivo	In male C57BL/6J mice, ALK-IN-26 (5 mg/kg; i.v.; single dose) could be rapidly absorbed (Tmax = 0.58 hours) with an acceptable half-life (T1/2 = 3.55 hours) and bioavailability (F = 38.4%)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.466 mL	12.3302 mL	24.6603 mL
5 mM	0.4932 mL	2.466 mL	4.9321 mL
10 mM	0.2466 mL	1.233 mL	2.466 mL
50 mM	0.0493 mL	0.2466 mL	0.4932 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

Feng L, et al. Synthesis and Bioevaluation of 3-(Arylmethylene) indole Derivatives: Discovery of a Novel ALK Modulator with Antiglioblastoma Activities[J]. Journal of Medicinal Chemistry, 2023.