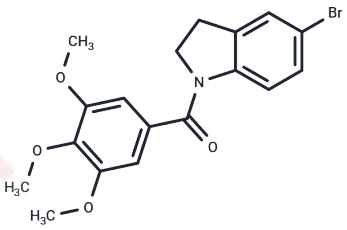
Data Sheet (Cat.No.T11691)

TargetMol

IV-23

Chemical Properties



CAS No. : 2326007-49-0

Formula: C18H18BrNO4

Molecular Weight: 392.24

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	IV-23, a potent inhibitor of cell growth both in vitro and in vivo, effectively reduces colony formation, arrests the cell cycle at the M phase, and induces apoptosis in esophageal squamous cell carcinoma through Noxa-mediated pathways. This compound emerges as a promising anticancer agent with significant potential.
Targets(IC50)	Apoptosis,Others
In vitro	IV-23 shows a strong inhibition against the ESCCs in a concentration depend manner, the IC50 values against the Kyse30 and Kyse450 cell lines were all less than 2?μM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5495 mL	12.7473 mL	25.4946 mL
5 mM	0.5099 mL	2.5495 mL	5.0989 mL
10 mM	0.2549 mL	1.2747 mL	2.5495 mL
50 mM	0.051 mL	0.2549 mL	0.5099 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

Fu DJ, et al. Discovery of indoline derivatives that inhibit esophageal squamous cell carcinoma growth by Noxa mediated apoptosis. Bioorg Chem. 2019 Aug 10;92:103190.

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