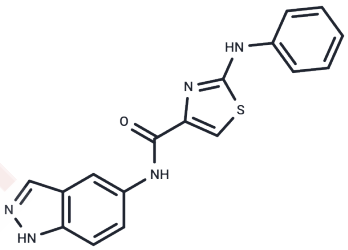
Data Sheet (Cat.No.T212632)

TargetMol

GPS167

Chemical Properties



CAS No. : 3034312-19-8

Formula: C17H13N5OS

Molecular Weight: 335.38

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	GPS167 is a specific small-molecule splicing regulator and SRSF10 inhibitor that modulates BCLAF1 alternative splicing with an IC50 of 2 μM in human colorectal HCT116 cells, while also directly inhibiting CLK1, CLK2, and CLK4 but not SRPK1 or DYRK1A, positioning it as a mechanistically well-defined probe for studying spliceosome regulation and kinase-dependent RNA processing.
Targets(IC50)	Others
In vivo	In preclinical rodent models, GPS167 effectively inhibits bone resorption and retinoid-induced hypercalcemia. Once localized on the bone surface via its high affinity for hydroxyapatite, the compound is internalized by osteoclasts during the resorption process.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9817 mL	14.9085 mL	29.8169 mL
5 mM	0.5963 mL	2.9817 mL	5.9634 mL
10 mM	0.2982 mL	1.4908 mL	2.9817 mL
50 mM	0.0596 mL	0.2982 mL	0.5963 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

Widler L, et al. Highly potent geminal bisphosphonates. From pamidronate disodium (Aredia) to zoledronic acid (Zometa)[J]. Journal of medicinal chemistry, 2002, 45(17): 3721-3738.

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