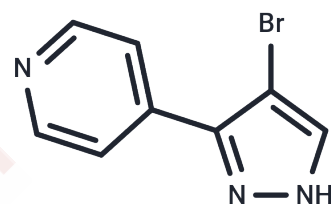


HDGFRP2/PSIP1-IN-1

Chemical Properties

CAS No. :	166196-54-9
Formula:	C ₈ H ₆ BrN ₃
Molecular Weight:	224.06
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	Compound BPP (HDGFRP2/PSIP1-IN-1) is a dual inhibitor targeting the PWWP domains of Hepatoma-derived Growth Factor Related Protein 2 (HDGFRP2) and its homologue PSIP1. This compound effectively hinders the occurrence and progression of Diffuse Intrinsic Pontine Glioma (DIPG). It demonstrates binding affinity with a K _d value of 7 μM for HDGFRP2, indicative of its efficient ligand efficacy at 0.47. Additionally, Compound BPP exhibits a K _d value of 27 μM when binding to the PSIP1 PWWP domain, and a K _d value of 14 μM against HDGFRP3, confirming its potency as an inhibitor within the HDGFRP2 PWWP subfamily.
Targets(IC50)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4631 mL	22.3155 mL	44.6309 mL
5 mM	0.8926 mL	4.4631 mL	8.9262 mL
10 mM	0.4463 mL	2.2315 mL	4.4631 mL
50 mM	0.0893 mL	0.4463 mL	0.8926 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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