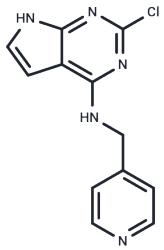
Data Sheet (Cat.No.T60412)

TargetMol

BPN-15477

Chemical Properties



CAS No. : 1971086-99-3

Formula: C12H10ClN5

Molecular Weight: 259.69

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	BPN-15477 is a splicing modulator compound (SMC) that restores the correct splicing of ELP1 exon 20. It can be used for frontotemporal dementia research. BPN-15477 corrects the splicing of the ELP1 transcript which significantly increases the level of functional protein in vivo in all tissues, including the brain [1].
Targets(IC50)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 20 mg/mL (77.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8507 mL	19.2537 mL	38.5075 mL
5 mM	0.7701 mL	3.8507 mL	7.7015 mL
10 mM	0.3851 mL	1.9254 mL	3.8507 mL
50 mM	0.077 mL	0.3851 mL	0.7701 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

Gao D, et al. A deep learning approach to identify gene targets of a therapeutic for human splicing disorders. Nat Commun. 2021 Jun 7;12(1):3332.
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