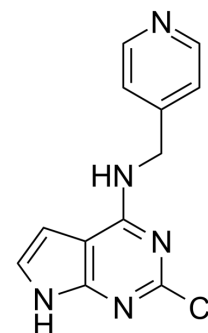


BPN-15477

Cat. No.:	HY-147149		
CAS No.:	1971086-99-3		
Molecular Formula:	C ₁₂ H ₁₀ ClN ₅		
Molecular Weight:	259.69		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (96.27 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BPN-15477 is a potent SMC (splicing modulator compound) that restores correct splicing of ELP1 (Elongator complex protein 1) exon 20. BPN-15477 corrects splicing of the ELP1 transcript, significantly increases the level of functional protein in vivo in all tissues, including brain. BPN-15477 can be used for frontotemporal dementia research^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA