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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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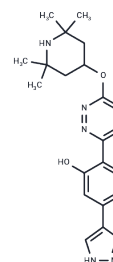
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Branaplam

Chemical Properties

CAS No. :	1562338-42-4
Formula:	C ₂₂ H ₂₇ N ₅ O ₂
Molecular Weight:	393.48
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Branaplam (LMI 070) is a highly potent, selective and orally active small molecule SMN2 splicing modulator.
Targets(IC50)	Others,Potassium Channel,DNA/RNA Synthesis
In vivo	To evaluate the efficacy of NVS-SM1, we used the SMNΔ7 mouse model, which displays a severe phenotype. In the specific colony used for this study, death typically occurs before postnatal day 15. We were pleased to observe that, in addition to a dose-dependent elevation of SMN protein in the brain, oral administration of NVS-SM1 improved body weight and extended lifespan, with 50% of the animals in the 1 mg per kg body weight group and 62% of animals in the 3 mg per kg body weight group showing increased survival.

Solubility Information

Solubility	DMSO: 3.8 mg/mL (9.6 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5414 mL	12.7071 mL	25.4143 mL
5 mM	0.5083 mL	2.5414 mL	5.0829 mL
10 mM	0.2541 mL	1.2707 mL	2.5414 mL
50 mM	0.0508 mL	0.2541 mL	0.5083 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.

Reference

Palacino J, et al. SMN2 splice modulators enhance U1-pre-mRNA association and rescue SMA mice. Nat Chem Biol. 2015 Jul;11(7):511-517.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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