PTC258

®

MedChemExpress

Cat. No.: CAS No.: Molecular Formula:	HY-148772 2476724-74-8 C ₁₆ H ₁₈ CIN ₃ S ₂	s
Molecular Weight:	351.92	NH .
Target:	Others	S, MH ₂
Pathway:	Others	
Storage:	-20°C, protect from light, stored under nitrogen	
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under	
	nitrogen)	

SOLVENT & SOLUBILITY

	Mass Solvent Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8416 mL	14.2078 mL	28.4155 ml
	5 mM	0.5683 mL	2.8416 mL	5.6831 mL
	10 mM	0.2842 mL	1.4208 mL	2.8416 mL

DIOLOGICALACITY			
Description	PTC258 is a specific and or expression of ELP1 in vitro	pecific and orally active splicing modulator of Elongator complex protein 1 gene (ELP1). PTC258 increases the fELP1 in vitro and in vivo. PTC258 is well tolerated in mouse model ^[1] .	
In Vitro	PTC258 (0.01 nM-0.01 μM; 48 h) efficiently increases full-length ELP1 mRNA and protein in Familial Dysautonomia (FD) patient fibroblasts ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		
In Vivo	PTC258 (3-24 mg/kg; p.o.; significantly increases the MCE has not independentl Animal Model: Dosage:	once daily for 3 months) is well tolerated. It corrects the splicing of the ELP1 transcript and amount of functional protein in vivo in all tissues tested, including the brain in mouse model ^[1] . ly confirmed the accuracy of these methods. They are for reference only. Familial Dysautonomia (FD) Mouse model ^[1] 3 mg/kg, 6 mg/kg, 12 mg/kg, 24 mg/kg	

Product Data Sheet

Administration:	Oral gavage; once daily for 3 month
Result:	Increased full-length ELP1 transcript in a dose-dependent manner. And also, it increased in functional ELP1 protein in the brain, trigeminal, liver, and quadricep.

REFERENCES

[1]. Morini E, et al. Development of a novel oral treatment that rescues gait ataxia and retinal degeneration in a phenotypic mouse model of familial dysautonomia[J]. bioRxiv, 2022: 2022.11. 04.515198.

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

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