

Rovanersen

Cat. No.:	HY-132593
CAS No.:	2072901-32-5
Molecular Weight:	6617
Sequence:	DNA,d(rGm-[P(S)]-sp-rGm-rCm-rAm-rCm-[P(S)]-sp-A-[P(S)]-sp-A-[P(S)]-sp-G-[P(S)]-sp-G-[P(S)]-sp-G-[P(S)]-sp-C-[P(S)]-sp-A-[P(S)]-sp-C-[P(R)]-sp-A-[P(S)]-sp-G-[P(S)]-sp-rAm-rCm-rUm-rUm-[P(S)]-sp-rCm)
Target:	Huntingtin
Pathway:	Neuronal Signaling
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

Rovanersen

SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (7.56 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		0.1511 mL	0.7556 mL	1.5113 mL
	5 mM		0.0302 mL	0.1511 mL	0.3023 mL
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Rovanersen (WVE-120101) is an antisense oligonucleotide that specifically targets mutated mRNA copies of the huntington (HTT) gene without affecting healthy mRNA of HTT gene, thereby preventing the production of faulty Huntingtin protein. Rovanersen can be used for huntington's disease research^[1].

In Vitro

In vitro, Rovanersen (WVE-120101) leads to the selective RNase H cleavage of mutant Huntingtin allele (mHTT) over wtHTT, with no complement activation. Rovanersen selectively decreases mHTT mRNA and protein levels compared with wtHTT in multiple cells lines^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

In non-human primates (NHPs), Rovanersen (WVE-120101) is found in nuclear and perinuclear compartments of neurons in brain areas believed to be involved in HD pathology^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. M Meena, et al. Selectivity and Biodistribution of WVE-120101, a Potential Antisense Oligonucleotide Therapy for the Treatment of Huntington's Disease (S56.001). AAN Enterprises. April 18, 2017; 88 (16 Supplement).

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

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