

Baliforsen

Cat. No.:	HY-145725A
CAS No.:	1698048-23-5
Molecular Weight:	5616
Sequence:	DNA, d(P-thio)([2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]m5rC-(3'→4')-[2',5'-anhydro-6'-deoxy-4'-C-(hydroxymethyl)-α-L-mannofurano]m5C-(3'→4')-[2',5'-anhydro-6'-deoxy-4'-C-(hydroxymethyl)-α-L-mannofurano]m5C-G-A-A-T-G-T-m5C-m5C-(3'→4')-[2',5'-anhydro-6'-deoxy-4'-C-(hydroxymethyl)-α-L-mannofurano]G-(3'→4')-[2',5'-anhydro-6'-deoxy-4'-C-(hydroxymethyl)-α-L-mannofurano]A-[2'-O-(2-methoxyethyl)]m5rC-[2'-O-(2-methoxyethyl)]rA)
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

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SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (17.81 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
1 mM			0.1781 mL	0.8903 mL	1.7806 mL
5 mM			0.0356 mL	0.1781 mL	0.3561 mL
10 mM			0.0178 mL	0.0890 mL	0.1781 mL

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

BIOLOGICAL ACTIVITY

Description

Baliforsen is an antisense oligonucleotide (16 nucleotides) designed to target myotonic dystrophy protein kinase (DMPK) mRNA and research myotonic dystrophy.

REFERENCES

[1]. Wheeler TM, Leger AJ, Pandey SK, et al. Targeting nuclear RNA for in vivo correction of myotonic dystrophy. Nature. 2012;488(7409):111-115.

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

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