

Monarsen

Cat. No.:	HY-148412
CAS No.:	864021-55-6
Sequence:	DNA, d(C-T-G-C-G-A-T-A-T-T-T-T-C-T-T-G-T-rAm-rCm-rCm)
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Monarsen

BIOLOGICAL ACTIVITY

Description	Monarsen (EN101) is a synthetic 20-base antisense oligodeoxynucleotide directed against the human AChE gene. Monarsen is used in the study of Autoimmune myasthenia gravis (MG), a neuromuscular disorder caused by autoantibodies directed against the acetylcholine receptor (AChR).
IC ₅₀ & Target	AChE

REFERENCES

- [1]. Sussman JD, Argov Z, McKee D, Hazum E, Brawer S, Soreq H. Antisense treatment for myasthenia gravis: experience with monarsen. *Ann N Y Acad Sci.* 2008;1132:283-290.
- [2]. Evron T, Moyal-Segal LB, Lamm N, Geffen A, Soreq H. RNA-targeted suppression of stress-induced allostasis in primate spinal cord neurons. *Neurodegener Dis.* 2005;2(1):16-27.
- [3]. Kehat R, Zemel E, Cuenca N, et al. A novel isoform of acetylcholinesterase exacerbates photoreceptors death after photic stress. *Invest Ophthalmol Vis Sci.* 2007;48(3):1290-1297.

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

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