

## RG-101

Cat. No.:	HY-132600
CAS No.:	1929655-04-8
Molecular Weight:	8955.3
Target:	MicroRNA
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

# RG-101

### BIOLOGICAL ACTIVITY

<b>Description</b>	RG-101 is a hepatocyte targeted N-acetylgalactosamine conjugated oligonucleotide that antagonises miR-122. miR-122 is an important host factor for hepatitis C virus (HCV) replication <sup>[1]</sup> .
<b>In Vitro</b>	RG-101 is a mixed chemistry phosphorothioate oligonucleotide inhibitor of miR-122 that is linked to a multivalent N-acetylgalactosamine carbohydrate structure designed to enhance uptake of the oligonucleotide by hepatocytes through binding to the asialoglycoprotein receptor on hepatocytes <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Meike H van der Ree, et al. Safety, tolerability, and antiviral effect of RG-101 in patients with chronic hepatitis C: a phase 1B, double-blind, randomised controlled trial. *Lancet*. 2017 Feb 18;389(10070):709-717.

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

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