# Cohesion BIOSCIENCES

# Product Data Sheet

## hsa-miR-4450 miRNA Agomir

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CMJ1263 | Synthetic | H | |

**Description**  Synthetic miRNA Agomir is used to regulate the expression of target hsa-miR-4450 mRNA.

**Specificity**  Agomir is chemically-modified double-strand miRNA mimics which can mimic mature endogenous miRNAs after transfection into cells.   They can up-regulate the endogenous miRNA activity by utilizing the natural miRNA machinery.   Our miRNA agomir is designed to mimic mature miRNAs, and chemically modified to increase their stability and activity.

**Form**  Lyophilized powder

**Gene Symbol**  hsa-miR-4450

**Accession No.**  MIMAT0018971

**Components**  This synthetic miRNA is based on the mature miRNA sequence. The antisense strand of the agomir has 2 phosphorothioates at the 5' end, 4 phosphorothioates, 1 cholesterol group at the 3' end, and full-length nucleotide 2'-methoxy modification. It exhibits enhanced cellular uptake, stability and regulatory activity in vivo.

**Directions for Use**  Briefly centrifuge tubes containing miRNA agomir to ensure that the miRNA pellet is located at the bottom of the tube. Dissolve miRNA agomir to a convenient stock concentration using the recommended volume of DEPC H2O (or RNase-free water). For example: dissolve 5 nmol miRNA agomir to 20 μM using 250 μl DEPC H2O (or RNase-free water). Pipette the solution up and down 3-5 times (or vortex briefly). Briefly centrifuge tubes containing miRNA agomir to ensure that the solution is collected at the bottom of the tube. Aliquot the miRNA agomir into small volumes

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and store at ≤ -20°C. miRNA agomir is stable (for 6 months under the specified storage condition). For best results, use in 3 months and limit freeze-thaw events for each tube no more than five times.

**Storage/Stability**     Shipped at 4 °C. Store at -20 °C for one year. Avoid freeze-thaw cycles after reconstitution.

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