Certificate of Analysis

All-trans-retinal

Cat. No.: HY-W004500 CAS No.: 116-31-4 Batch No.: 279022 **Chemical Name:** Retinal

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{20}H_{28}O$ 284.44 Molecular Weight:

Storage: -20°C, protect from light, stored under nitrogen

* The compound is unstable in solutions, freshly prepared is recommended.

Chemical Structure:

ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid) ¹H NMR Spectrum: Consistent with structure Consistent with structure LCMS:

Purity (LCMS): 99.76%

Conclusion: The product has been tested and complies with the given specifications.

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

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