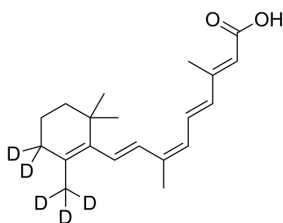


## Certificate of Analysis

**Product Name:** 9-cis-Retinoic acid-d<sub>5</sub>  
**Cat. No.:** CS-0200471  
**Batch No.:** 279359  
**Chemical Name:** (2E,4E,6Z,8E)-3,7-Dimethyl-9-(2,6,6-trimethylcyclohex-1-enyl)nona-2,4,6,8-tetraenoic Acid-d<sub>5</sub>

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>20</sub>H<sub>23</sub>D<sub>5</sub>O<sub>2</sub>  
**Molecular Weight:** 305.47  
**Storage:** -80°C, protect from light, stored under nitrogen  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Light yellow to yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (HPLC):** 98.64%  
**Isotopic Enrichment:** D<sub>5</sub>=55.3%, D<sub>4</sub>=26.1%, D<sub>3</sub>=18.6%, D<sub>0</sub>=0%  
**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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