

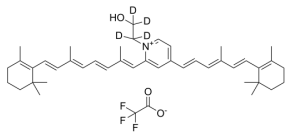
## Pyridinium bisretinoid A2E-d<sub>4</sub> (TFA)

Cat. No.: HY-134928AS  
 Batch No.: 288997  
 Chemical Name: 2-((1E,3E,5E,7E)-2,6-Dimethyl-8-(2,6,6-trimethylcyclohex-1-en-1-yl)octa-1,3,5,7-tetraen-1-yl)-1-(2-hydroxyethyl-1,1,2,2-d<sub>4</sub>)-4-((1E,3E,5E)-4-methyl-6-(2,6,6-trimethylcyclohex-1-en-1-yl)hexa-1,3,5-trien-1-yl)pyridin-1-ium 2,2,2-trifluoroacetate

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>44</sub>H<sub>54</sub>D<sub>4</sub>F<sub>3</sub>NO<sub>3</sub>  
 Molecular Weight: 709.96  
 Storage: 4°C, protect from light, stored under nitrogen  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: Brown to reddish brown (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (NMR): ≥90.0%  
 Isotopic Enrichment: 96.20%  
 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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