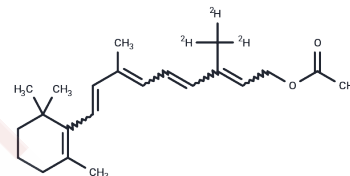


ALK-001

## Chemical Properties

CAS No. : 118139-36-9  
 Formula: C<sub>22</sub>H<sub>32</sub>O<sub>2</sub>  
 Molecular Weight: 331.514  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ALK-001 is a vitamin A (TMSM-2031) analog, which may be used to treat Stargardt disease.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0165 mL	15.0825 mL	30.165 mL
5 mM	0.6033 mL	3.0165 mL	6.033 mL
10 mM	0.3017 mL	1.5083 mL	3.0165 mL
50 mM	0.0603 mL	0.3017 mL	0.6033 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Saad L, Washington I. Can Vitamin A be Improved to Prevent Blindness due to Age-Related Macular Degeneration, Stargardt Disease and Other Retinal Dystrophies? *Adv Exp Med Biol.* 2016;854:355-61. doi: 10.1007/978-3-319-17121-0\_47. PubMed PMID: 26427432.

Charbel Issa P, Barnard AR, Herrmann P, Washington I, MacLaren RE. Rescue of the Stargardt phenotype in Abca4 knockout mice through inhibition of vitamin A dimerization. *Proc Natl Acad Sci U S A.* 2015 Jul 7;112(27):8415-20. doi: 10.1073/pnas.1506960112. PubMed PMID: 26106163; PubMed Central PMCID: PMC4500285.

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