

## 11-cis Retinol

## Chemical Properties

CAS No. : 22737-96-8

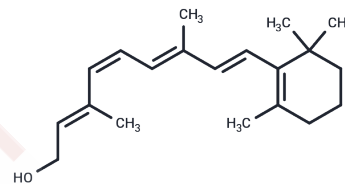
Formula: C<sub>20</sub>H<sub>30</sub>O

Molecular Weight: 286.46

Store at low temperature

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	11-cis Retinol is an isomer of vitamin A, serving as an agonist for red rod optochromin and an inverse agonist for red cone optochromin.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	Methanol: Slightly soluble, Sonication is recommended. Chloroform: Slightly soluble, Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4909 mL	17.4544 mL	34.9089 mL
5 mM	0.6982 mL	3.4909 mL	6.9818 mL
10 mM	0.3491 mL	1.7454 mL	3.4909 mL
50 mM	0.0698 mL	0.3491 mL	0.6982 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

Rando RR. The biochemistry of the visual cycle. Chem Rev. 2001;101(7):1881-1896.

Guignard TJ, et al. FATP1 inhibits 11-cis retinol formation via interaction with the visual cycle retinoid isomerase RPE65 and lecithin:retinol acyltransferase. J Biol Chem. 2010;285(24):18759-18768.

Ala-Laurila P, et al. The action of 11-cis-retinol on cone opsins and intact cone photoreceptors. J Biol Chem. 2009; 284(24):16492-16500.

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