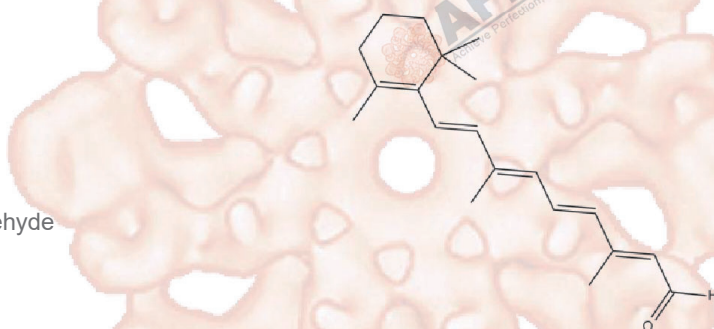


Product Data Sheet

all-trans Retinal

Cat. No.:	C4061
CAS No.:	116-31-4
Formula:	C ₂₀ H ₂₈ O
M.Wt:	284.4
Synonyms:	Retinaldehyde, Vitamin A aldehyde
Target:	Others
Pathway:	RAR/RXR
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥56.6 mg/mL in EtOH; ≥57.4 mg/mL in DMSO

In Vitro	Preparing Stock Solutions	Mass		1mg	5mg	10mg
		Solvent	Concentration			
				3.5162 mL	17.5809 mL	35.1617 mL
				0.7032 mL	3.5162 mL	7.0323 mL
				0.3516 mL	1.7581 mL	3.5162 mL

Please refer to the solubility information to select the appropriate solvent

Biological Activity

Shortsummary

converted to retinoic acid in vivo

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Bassem M. Shoucri, Eric S. Martinez, et al. "Retinoid X receptor activation alters the chromatin landscape to commit mesenchymal stem cells to the adipose lineage." Endocrinology. 2017 Jul.

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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