

Retinoic acid, GMP Grade

Cat. No. Retinoic acid-16 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Retinoic acid (Vitamin A acid) (GMP) is Retinoic acid produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture.
Description	Retinoic acid is an agonist of RAR nuclear receptors.
Form	Solid, White to off-white
Target	RAR/RXR; PPAR; Endogenous Metabolite; Autophagy
In Vitro	Retinoic acid (GMP) time- and dose- dependently induces differentiation of EC cells and ES cells into specific cell types. Retinoic acid (GMP) induces partial differentiation of F9 embryonal carcinoma cells into endoderm cells. Retinoic acid (GMP) (100 nM; 2-8 d) promotes photoreceptor differentiation in early postnatal retinal cultures. Retinoic acid (GMP) (0.1 μ M; 10-12 d) induces human SH-SY5Y neuroblastoma cells differentiation with long cell processes. Retinoic acid (GMP) (0-10 μ M; 48 h) dose-dependently induces morphologic differentiation of LA-N-1 human neuroblastoma cells.
In Vivo	Retinoic acid (GMP) (0.3 μ M; embryos are immersed in tank water containing retinoic acid) accelerates of rod differentiation is observed following 24 and 48 hours of application in zebrafish.
Solubility Data	DMSO: 50 mg/mL (166.42 mM; Need ultrasonic and warming)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CAS 302-79-4

Formula C₂₀H₂₈O₂

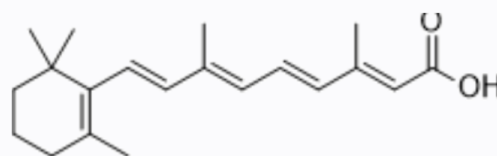
Molecular Mass 300.44

GENE INFORMATION

Pathway Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; Cell Cycle/DNA Damage; Autophagy

Synonyms Retinoic acid; Vitamin A acid; all-trans-Retinoic acid; ATRA

Chemical Structure



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