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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Retinoic Acid

Retinoid RAR agonist
Catalog No. SIH-258



Discovery through partnership | Excellence through quality

Overview

Product Name

Retinoic acid

Description

Retinoid RAR agonist

Purity

>98%

CAS No.

302-79-4

Molecular Formula

C₁₁H₁₆O₂

Molecular Weight

300.44

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Agonist

Solubility

Soluble to 50 mM in ethanol and 25 mM in DMSO

Source

Synthetic

Appearance

Yellow solid

SMILES

CC1=C(C(CCC1)(C)C)/C=C/C(=C/C=C/C(=C/C(=O)O)/C)/C

InChI

InChI=1S/C20H28O2/c1-15(8-6-9-16(2)14-19(21)22)11-12-18-17(3)10-7-13-20(18,4)5/h6,8-9,11-12,14H,7,10,13H2,1-5H3,(H,21,22)/b9-6+,1

2-11+,15-8+

InChIKey

SHGAZHPCJJPHSC-YCNIQYBTSA-N

Safety Phrases

Classification: Toxic. May be harmful or fatal if inhaled, swallowed or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Risk Phrases:

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R40 - Limited evidence of a carcinogenic effect

R46 - May cause heritable genetic damage

R62 - Possible risk of impaired fertility

Hazard Phrases:

H302-H411

Precautionary Phrases:

P273

Cite This Product

Retinoic acid (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-258)

Biological Description

Alternative Names

Tretinoin, ATRA

Research Areas

Cancer, Apoptosis

PubChem ID

444795

Scientific Background

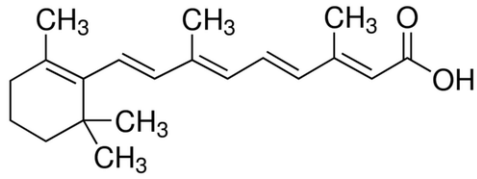
Retinoic acid is a metabolite of Vitamin A that mediates the functions of vitamin A required for growth and development. It is generated in a specific region of the embryo during early embryonic development (1).

References

1. Duester G. (2008) Cell. 134: 921-931.

Product Images

Chemical structure of Retinoic acid (SIH-258), a Retinoid RAR agonist. CAS #: 302-79-4. Molecular Formula: C₂₀H₂₈O₂. Molecular Weight: 300.44 g/mol.



Product Citations (1)

Other Citations

Canstatin inhibits isoproterenol-induced apoptosis through preserving mitochondrial morphology in differentiated H9c2 cardiomyoblasts.

Okada, M., Morioka, S., Kanazawa, H. and Yamawaki, H. -2016 Apoptosis. [Epub ahead of print].

PubMed ID: 27315818 **Applications:** Differentiation inducer

Reviews

There are no reviews yet.