Retinoic acid, all trans

Retinoic acid receptor ligand

Retinoic acid is the active metabolite of vitamin A. It is a potent modulator of growth and differentiation exerting its effects by binding to nuclear retinoic acid receptors (RARs) which directly regulate gene expression. All trans retinoic acid binds to RAR α , β and γ subtypes with Kd values of 0.2, 0.4 and 0.2 nM respectively. RARs function as ligand-dependent transcription factors. Retinoic Acid also promotes the differentiation of mouse embryonic stem cells into adipocytes, neurons and glia in vitro. It guides development of the posterior part of the embryo.

Citations: 13

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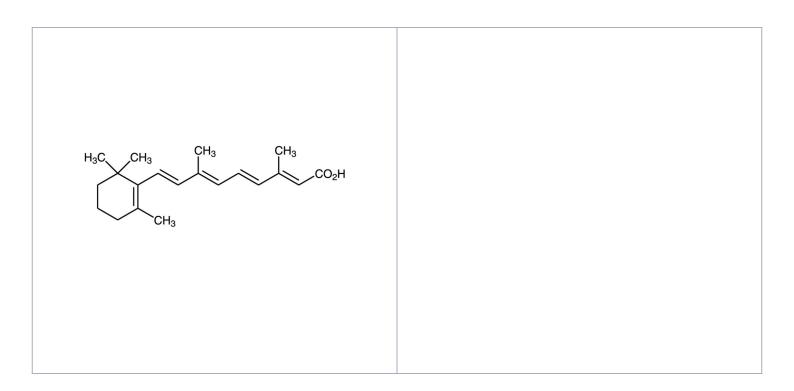
Ordering Information

Order Online »

BML-GR100-0500	500mg
BML-GR100-5000	5g

Manuals, SDS & CofA

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Handling & Storage

Use/Stability As indicated on product label or CoA when stored as recommended.

Long Term Storage -20°C

Shipping Ambient Temperature

Regulatory Status RUO - Research Use Only

Product Details

Yellow solid. **Appearance**

CAS 302-79-4

Couple Target Retinoic acid receptor

Ligand **Couple Type**

Formula C20H28O2

MW 300.4

Purity ≥95%

Solubility Soluble in DMSO (25 mg/ml) or ethanol (10 mg/ml).

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