

Product Name: SR 11302

Catalog No.: 2476

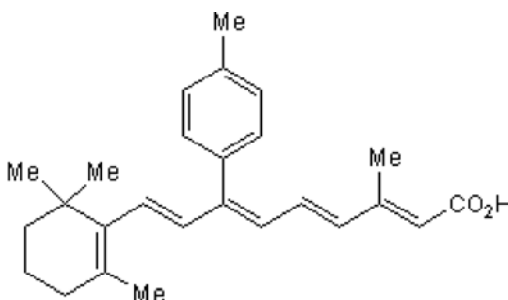
Batch No.: 7

CAS Number: 160162-42-5

IUPAC Name: (E,E,Z,E)-3-Methyl-7-(4-methylphenyl)-9-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2,4,6,8-nonatetraenoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₃₂O₂
Batch Molecular Weight: 376.54
Physical Appearance: Orange solid
Solubility: DMSO to 100 mM
 ethanol to 10 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 82.94 | 8.57 | 0 |
| Found | 82.92 | 8.59 | 0 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Inhibitor of activator protein-1 (AP-1) transcription factor activity that displays antitumor effects in vivo. Does not activate transcription from the retinoic acid response element (RARE) and displays no activity at retinoic acid receptors (EC₅₀ > 1 μM for RARα, RARβ, RARγ and RXRα).

Physical and Chemical Properties:

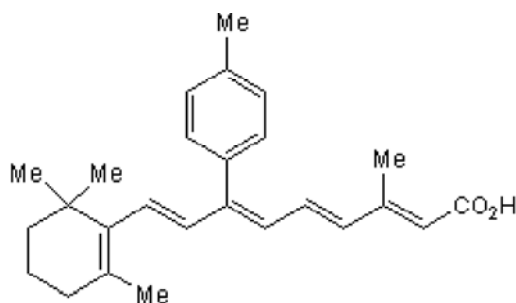
Batch Molecular Formula: C₂₆H₃₂O₂

Batch Molecular Weight: 376.54

Physical Appearance: Orange solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Shiohara et al (1999) Effects of novel RAR- and RXR-selective retinoids on myeloid leukemic proliferation and differentiation in vitro. *Blood* **93** 2057. PMID: 10068679.

Huang et al (1997) Blocking activator protein-1 activity, but not activating retinoic acid response element, is required for the antitumor promotion effect of retinoic acid. *Proc.Natl.Acad.Sci.USA* **94** 5826.

Fanjul et al (1994) A new class of retinoids with selective inhibition of AP-1 inhibits proliferation. *Nature* **372** 107. PMID: 7969403.

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