

Product Name: MM 11253

Catalog No.: 3822

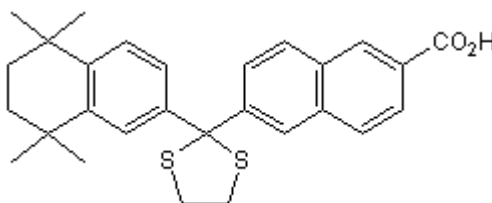
Batch No.: 2

CAS Number: 345952-44-5

IUPAC Name: 6-[2-(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-1,3-dithiolan-2-yl]-2-naphthalenecarboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₃₀O₂S₂
Batch Molecular Weight: 462.67
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Dichloromethane:Methanol [98:2])
HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	72.69	6.54	
Found	72.29	6.54	

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

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Description:

Selective RAR γ antagonist. Blocks the growth inhibitory ability of RAR γ -selective agonists in squamous cell carcinoma (SCC)-25 cells.

Physical and Chemical Properties:

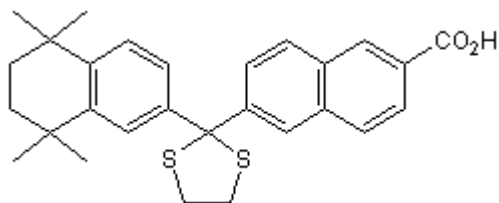
Batch Molecular Formula: C₂₈H₃₀O₂S₂

Batch Molecular Weight: 462.67

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

DMSO to 100 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:

Holmes et al (2000) Induction of apoptosis in ovarian carcinoma cells by AHPN/CD437 is mediated by retinoic acid receptors. *J.Cell.Physiol.* **185** 61. PMID: 10942519.

Le et al (2000) Modulation of retinoic acid receptor function alters the growth inhibitor response of oral SCC cells to retinoids. *Oncogene* **19** 1457. PMID: 10723137.

Dawson et al (2001) Apoptosis induction in cancer cells by a novel analogue of 6-[3-(1-adamantyl)-4-hydroxyphenyl]-2-naphthalenecarboxylic acid lacking retinoid receptor transcriptional activation activity. *Cancer Res.* **61** 4723. PMID: 11406543.

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