

Product Name: UVI 3003

Catalog No.: 3303

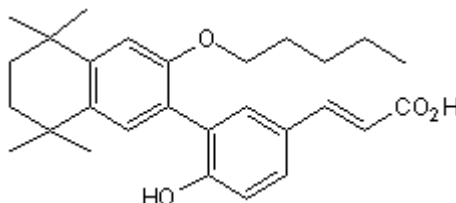
Batch No.: 1

CAS Number: 847239-17-2

IUPAC Name: 3-[4-Hydroxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-(pentyloxy)-2-naphthalenyl]phenyl]-2-propenoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₃₆O₄
Batch Molecular Weight: 436.58
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.48 (Chloroform:Methanol [9:1])
HPLC: Shows 98.6% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	77.03	8.31	
Found	76.65	8.04	

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

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Description:

RXR antagonist; displays high RXR binding affinity. Does not affect the corepressor interaction capacity of the RAR α subunit within the context of the RAR-RXR heterodimer.

Physical and Chemical Properties:

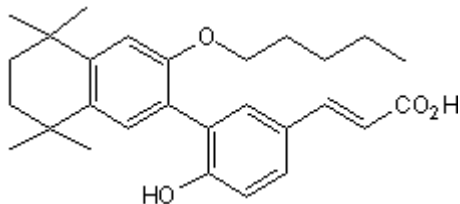
Batch Molecular Formula: C₂₈H₃₆O₄

Batch Molecular Weight: 436.58

Physical Appearance: White 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 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:

Nahoum et al (2007) Modulators of the structural dynamics of the retinoid X receptor to reveal receptor function. *Proc.Natl.Acad.Sci.* **104** 17323.

Le Maire et al (2009) Activation of RXR-PPAR heterodimers by organotin environmental endocrine disruptors. *EMBO Rep.* **10** 367. PMID: 19270714.

Santin et al (2009) Modulating retinoid X receptor with a series of (*E*)-3-[4-Hydroxy-3-(3-alkoxy-5,5,8,8-tetramethyl-5,6,7,8-tetrahydronaphthalen-2-yl)phenyl]acrylic acids and their 4-alkoxy isomers. *J.Med.Chem.* **52** 3150. PMID: 19408900.

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