

**Product Name:** CD 437

**Catalog No.:** 1549

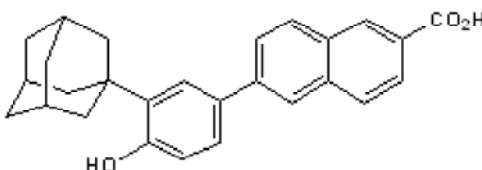
**Batch No.:** 4

CAS Number: 125316-60-1

IUPAC Name: 6-(4-Hydroxy-3-tricyclo[3.3.1.1<sup>3,7</sup>]dec-1-ylphenyl)-2-naphthalenecarboxylic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>27</sub>H<sub>26</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 398.5  
**Physical Appearance:** White solid  
**Solubility:** ethanol to 20 mM  
 DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.57 (Ethyl acetate:Petroleum ether [1:1])  
**HPLC:** Shows 99.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	81.38	6.58	0
Found	81.14	6.57	0

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**Description:**

Synthetic retinoid that is an RAR $\gamma$ -selective agonist. Displays RAR $\gamma$ -dependent and -independent effects on differentiation and apoptosis.

**Physical and Chemical Properties:**

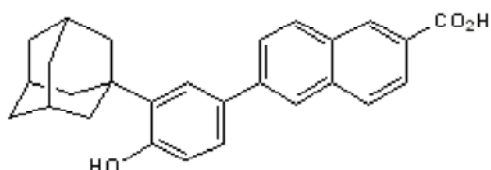
Batch Molecular Formula: C<sub>27</sub>H<sub>26</sub>O<sub>3</sub>

Batch Molecular Weight: 398.5

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

ethanol to 20 mM

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:**

**Wang et al** (2011) Rapid and efficient reprogramming of somatic cells to induced pluripotent stem cells by retinoic acid receptor gamma and liver receptor homolog 1. Proc.Natl.Acad.Sci U.S.A. **108** 18283. PMID: 21990348.

**Zhao and Spanjaard** (2003) The apoptotic action of the retinoid CD437/AHPN: diverse effects, common basis. J.Biomed.Sci. **10** 44. PMID: 12566985.

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