

**Product Name:** CD 1530

**Catalog No.:** 2554

**Batch No.:** 2

CAS Number: 107430-66-0

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

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>27</sub>H<sub>26</sub>O<sub>3</sub>·¼H<sub>2</sub>O

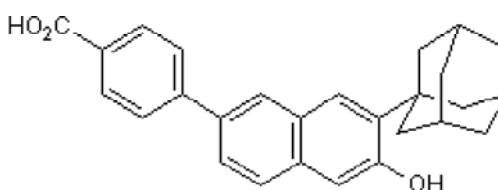
**Batch Molecular Weight:** 402.99

**Physical Appearance:** Off-white solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.36 (Dichloromethane:Methanol [9:1])

**HPLC:** Shows 98.2% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	80.47	6.63	
Found	80.47	6.48	

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

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**Description:**

CD 1530 is a potent and selective RAR $\gamma$  receptor agonist ( $K_i$  values are 150, 1500 and 2750 nM for RAR $\gamma$ , RAR $\beta$  and RAR $\alpha$  receptors respectively). Activates transcriptional activity ( $AC_{50}$  = 1.8 nM).

**Physical and Chemical Properties:**

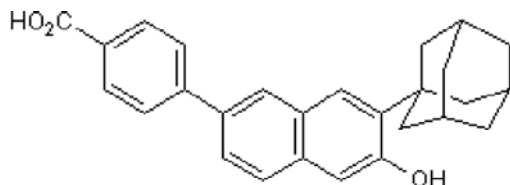
Batch Molecular Formula: C<sub>27</sub>H<sub>26</sub>O<sub>3</sub>· $\frac{1}{4}$ H<sub>2</sub>O

Batch Molecular Weight: 402.99

Physical Appearance: Off-white solid

**Minimum Purity:**  $\geq$ 98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**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:**

Thacher *et al* (2000) Therapeutic applications for ligands of retinoid receptors. *Curr.Pharmaceut.Des.* **6** 25.

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