

Certificate of Analysis

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Product Name: CD 1530

Catalog No.: 2554

Batch No.: 4

CAS Number: 107430-66-0

IUPAC Name: 4-(6-Hydroxy-7-tricyclo[3.3.1.1^{3,7}]dec-1-yl-2-naphthalenyl)benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₂₆O₃·¼H₂O

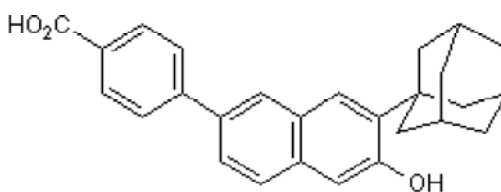
Batch Molecular Weight: 402.99

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	80.47	6.63	
Found	80.6	6.74	

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 γ receptor agonist (K_i values are 150, 1500 and 2750 nM for RAR γ , RAR β and RAR α receptors respectively). Activates transcriptional activity (AC_{50} = 1.8 nM).

Physical and Chemical Properties:

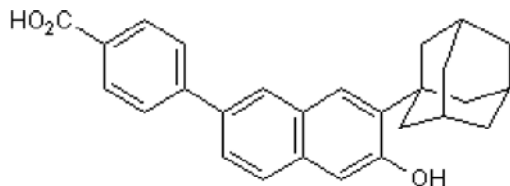
Batch Molecular Formula: C₂₇H₂₆O₃· $\frac{1}{4}$ H₂O

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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