

Product Name: CD 2665

Catalog No.: 3800

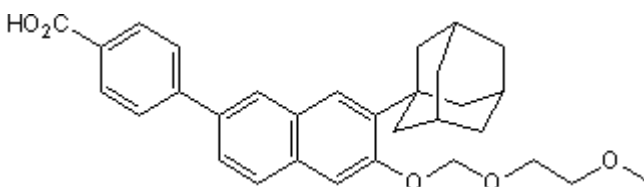
Batch No.: 3

CAS Number: 170355-78-9

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₁H₃₄O₅
Batch Molecular Weight: 486.6
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (60% Ether/Petrol)
HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	76.52	7.04	
Found	76.19	7.1	

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Description:

Selective RAR β antagonist (K_D values are 110, 306 and > 1000 nM for RAR γ , RAR β and RAR α respectively). Blocks retinoic acid-induced apoptosis ex vivo.

Physical and Chemical Properties:

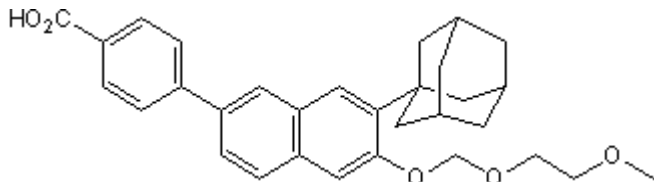
Batch Molecular Formula: C₃₁H₃₄O₅

Batch Molecular Weight: 486.6

Physical Appearance: White solid

Minimum Purity: >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:

Kim et al (2000) The role of specific retinoid receptors in sebocyte growth and differentiation in culture. *J.Invest.Dermatol.* **114** 349. PMID: 10651997.

Meister et al (1998) Antiproliferative activity and apoptosis induced by retinoic acid receptor-gamma selectivity binding retinoids in neuroblastoma. *Anticancer Res.* **18** 1777. PMID: 9673404.

Szondy et al (1997) Induction of apoptosis by retinoids and retinoic acid receptor γ -selective compounds in mouse thymocytes through a novel apoptosis pathway. *Mol.Pharmacol.* **51** 972. PMID: 9187263.

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