

CD437

Catalog No: tcsc0019677



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

125316-60-1

Formula:

$C_{27}H_{26}O_3$

Pathway:

Metabolic Enzyme/Protease

Target:

RAR/RXR

Purity / Grade:

>98%

Solubility:

DMSO : 150 mg/mL (376.42 mM; Need ultrasonic and warming)

Alternative Names:

AHPN

Observed Molecular Weight:

398.49

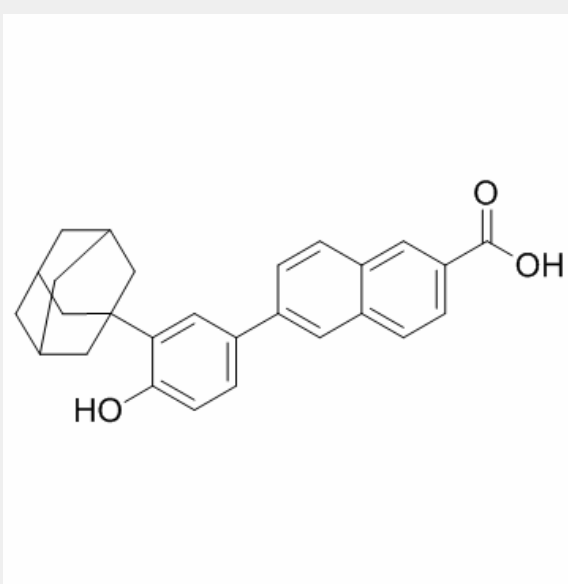
Product Description

CD437 is a selective **Retinoic Acid Receptor γ (RAR γ)** agonist.

IC50 & Target: Retinoic Acid Receptor γ (RAR γ)^[1]

In Vitro: CD437 is a selective RAR γ agonist. Growth inhibition by CD437 in these lung cancer cell lines is apparent after 2 days of treatment with 10 μ M CD437. Dose-response experiments demonstrate that CD437 reduces the numbers of H460, SK-MES-1, A549, and H292 cells with 50% inhibitory values of approximately 0.5, 0.4, 3, and 0.85 μ M, respectively^[1]. Treatment for 72 h with CD437 causes a strong dose-dependent growth inhibition in all melanoma cell lines. At a concentration of 5 μ M CD437, only about 5 to 25% of the cells remain viable after 3 d. The concentrations of CD437 required for 50% growth inhibition (IC50) range from 10 μ M for MeWo to 0.1 μ M for SK-Mel-23 showing the highest sensitivity^[2].

In Vivo: Tumors in CD437-treated mice stop growing, an effect that becomes already statistically significant (P[2]).



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!