

# TTNPB

**Catalog No: tcsc3253**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

71441-28-6

**Formula:**

$C_{24}H_{28}O_2$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

RAR/RXR

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 11.25 mg/mL (32.28 mM; Need ultrasonic and warming)

**Alternative Names:**

Ro 13-7410;Arotinoid acid;AGN191183

**Observed Molecular Weight:**

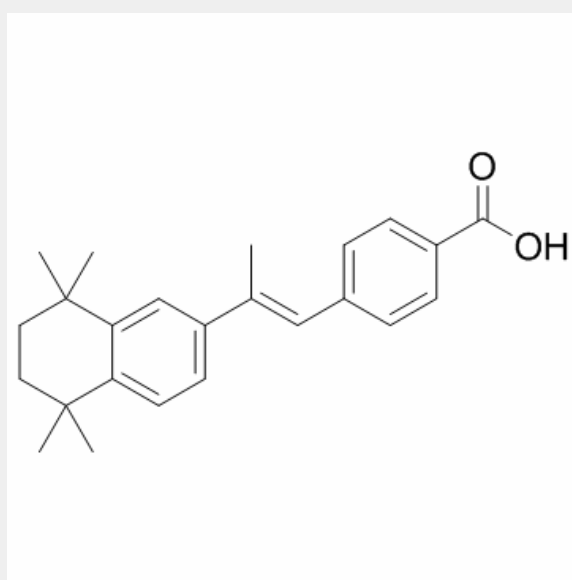
348.48

## Product Description

TTNPB is a highly potent **RAR** agonist. Competitive binding assays using human RARs yield **IC<sub>50</sub>**s of **α**=5.1 nM, **β**= 4.5 nM, and **γ**=9.3 nM, respectively.

IC50 & Target: IC50: 5.1 nM (RARα), 4.5 nM (RARβ), 9.3 nM (RARγ)<sup>[1]</sup>

***In Vitro:*** TTNPB inhibits binding of [<sup>3</sup>H]tRA with IC<sub>50</sub>s of 3.8 nM, 4 nM, and 4.5 nM for human RARα, β, and γ, respectively. TTNPB competes for [<sup>3</sup>H]tRA binding to CRABPI with IC<sub>50</sub>s of 1800 nM<sup>[1]</sup>.



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