

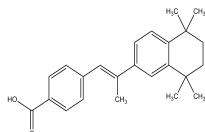
## Product: TTNPB

**ALTERNATE NAME:** 4-[(E)-2-(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-1-propenyl]benzoic acid; Ro 13-7410

**CATALOG #:** 2776-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>24</sub>H<sub>28</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 348.48

**CAS NUMBER:** 71441-28-6

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~8 mg/ml) or EtOH (~ 3 mg/ml)

**PURITY:** ≥98%

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** TTNPB is a highly potent retinoic acid receptor (RAR) agonist (EC<sub>50</sub> = 21 nM, 4.0 nM, and 2.4 nM for RAR $\alpha$ , RAR $\beta$ , and RAR $\gamma$ , respectively). Enhances reprogramming efficiency in chemically induced pluripotent stem cells (CiPSCs).

**REFERENCE:** Hou, P., *et al.* (2013). *Science* **341**, 651-654.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

AM580 (Cat. No. 2635-1,5)

CD437 (Cat. No. 2636-5, 25)

Estrogen sulfotransferase Antibody (Cat. No. 3829-100)

Estrogen sulfotransferase Blocking peptide (Cat. No. 3829BP-50)

Retinoic acid (Cat. No. 2218-50, 250)

**FOR RESEARCH USE ONLY! Not to be used on humans.**