Tribioscience

Bexarotene, Retinoid RXR agonist

Catalog	Unit
TBI2121-10MG	10 mg
TBI2121-50MG	50 mg

Product Details

Formal Name: 4-[1-(5,6,7,8-Tetrahydro-3,5,5,8,8-pentamethyl-2-naphthalenyl)ethenyl]benzoic acid
Alternate Names: LGD-1069; SR-11247
Molecular Formula: $C_{24}H_{28}O_2$
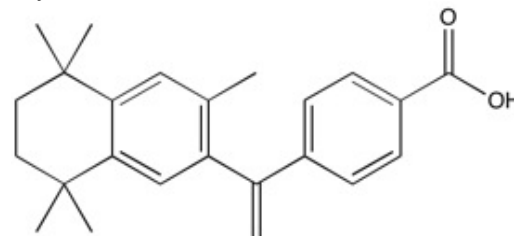**Formula Weight:** 348.49
CAS Number: 153559-49-0
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 60 mg/ml) or in Ethanol (up to 10 mg/ml with warming).
Storage: -20°C
Stability: ≥ 1 year.

Applications

Retinoid RXR agonist

Functions

A highly potent and selective retinoid X receptor (RXR) agonist (EC50=28, 25, 20 nM for RXRα, β, γ respectively). Clinically useful antineoplastic agent for cutaneous T-cell lymphoma Causes complete regression of mammary carcinoma. Bexarotene significantly increases clearance of soluble β-amyloid in a mouse Alzheimer′s model and increases cognitive ability. Reverses apoE4-driven brain pathology and behavioral deficits in vivo.

Application Procedures

First dissolved in DMSO (up to 60 mg/ml) or in Ethanol (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 week.

For research use only.