

Methoprene Acid, Selective RXR agonist

Catalog	Unit
TBI4531-5MG	5 mg
TBI4531-25MG	25 mg

Product Details

Molecular Formula: C₁₆H₂₈O₃

Formula Weight: 268.39

CAS Number: 53092-52-7

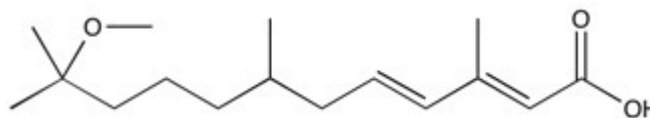
Purity: >98%

Formulation: oil

Solubility: DMSO or Ethanol

Storage: -20°C

Stability: ≥ 2 years.



Applications

Selective RXR agonist

Functions

Methoprene acid (53092-52-7) is an analog of insect juvenile hormone which acts as an insect growth regulator. Binds directly and selectively to the retinoid X receptor (RXR) acting as a transcriptional activator in both insect and mammalian cells with no activity at RAR. Negatively regulates thrombosis and hemostasis. Induces neurosteroid biosynthesis in human glial GI-1 cells. Increases the expression of the brown-fat-uncoupling-protein-1 gene (ucp-1).

Application Procedures

First dissolved in DMSO or Ethanol, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.