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DATASHEET

Muristerone A

Product overview

Name Muristerone A Cat No HB3985 **Purity** >95%

Description Ecdysone receptor (EcR) agonist. Apoptosis inducer.

Biological Data

Biological description

Potent member of the ecdysteroid family. Ecdysone receptor (EcR) agonist. Analog of ecdysone with similar properties to ponasterone A. Inducer of ecdysone-inducible gene expression systems in mammalian cells and transgenic animals. Induces apoptosis in cells transfected with wild-type Bax. Induces expression of beta-galactosidase. Stimulates Bcl-XL mRNA transcription and inhibits TRAILand hFasL-induced apoptosis in RKO cells. Insect steroid hormone involved in regulating metamorphosis, causing a response to G2 cell cycle arrest. Major molting hormone in some insects. Has protective effects in plants.

Solubility & Handling

Storage instructions

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight Chemical structure 496.6

Molecular Formula **CAS Number PubChem identifier** C₂₇H₄₄O₈ 38778-30-2 122217

SMILES

4[C@](O)(C)[C@H](O)CCC(C)C)=O)(O)[C@]2(C)C1

InChiKey **Appearance** LRJUYAVTHIEHAI-LDJCFVSYSA-N

White to off-white solid