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DATASHEET

Ponasterone A

Product overview

Name Ponasterone A
Cat No HB4033
Purity >95%

Description Ecdysone receptor (EcR) agonist

Biological Data

Biological description

A member of the ecdysteroid family. Ecdysone receptor (EcR) agonist. Analog of ecdysone with similar properties to muristerone A. Functional, reliable and economical substitute for muristerone A as an inducer for the ecdysone-inducible mammalian expression system. Induces expression of betagalactosidase to levels similar to those obtained with muristerone A induction. Potent compound for ecdysteroid activity. Insect steroid hormone involved in regulating metamorphosis.

Solubility & Handling

Storage instructions

+4°C

Important

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 464.6

CAS Number PubChem identifier

ntifier

SMILES

InChiKey

13408-56-5

CC(C)CC[C@@H](O)[C@](C)(O)[C@H]1CC[C@@]2(O)C3=CC(=O)[C@@H]4C[C@@H](O)[C@@U](O)[C@@W](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@@U](O)[C@W](O)[CW](O)

H](O)C[C@]4(C)[C@H]3CC[C@]12C PJYYBCXMCWDUAZ-JJJZTNILSA-N

Appearance White to off-white powder