

Product Data Sheet

Product Name: Vamorolone

Cat. No.: GC39564

Chemical Properties

Cas. No. 13209-41-1

SMILES C[C@@]12[C@](C(CO)=O)(O)[C@H](C)C[C@@]1([H])[C@]3([H])CCC4=CC(C=C[C@]4(C)C3=CC2)=O

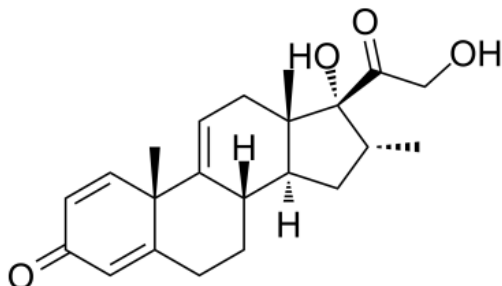
Formula $C_{22}H_{28}O_4$ M.Wt 356.46

Solubility DMSO: 50 mg/mL (140.26 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Vamorolone (VBP15) is a first-in-class, orally active dissociative steroidal anti-inflammatory drug and membrane-stabilizer. Vamorolone improves muscular dystrophy without side effects. Vamorolone shows potent NF-κB inhibition and substantially reduces hormonal effects[1][2].

[1]. Heier CR, et al. VBP15, a novel anti-inflammatory and membrane-stabilizer, improves muscular dystrophy without side effects. EMBO Mol Med. 2013 Oct;5(10):1569-85. [2]. Dillingham BC, et al.

Caution: Product has not been fully validated for medical applications. For research use only.

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VBP15, a novel anti-inflammatory, is effective at reducing the severity of murine experimental autoimmune encephalomyelitis. Cell Mol Neurobiol. 2015 Apr;35(3):377-387. [3]. Heier CR, et al. Vamorolone targets dual nuclear receptors to treat inflammation and dystrophic cardiomyopathy. Life Sci Alliance. 2019 Feb 11;2(1). pii: e201800186.

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