

Product Data Sheet

Product Name: Mometasone

Cat. No.: GC47698

Chemical Properties

Cas. No. 105102-22-5

SMILES Cl[C@@]12[C@](CCC([C@@]2(C=C3C)=CC3=O)([H])[C@@]4([H])[C@](C[C@@H]1O)([C@](C(CCl)=O)(O)[C@@H](C4)C)C

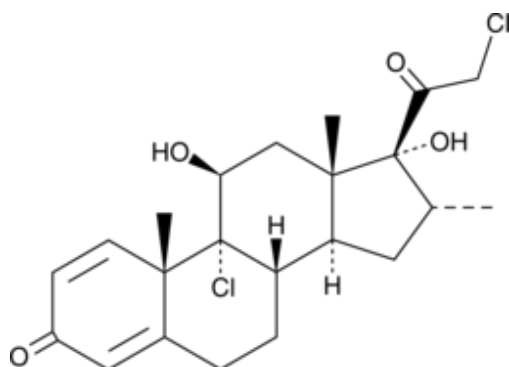
Formula C₂₂H₂₈Cl₂O₄ M.Wt 427.4

Solubility Methanol: Slightly soluble Storage Store at -20°C

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

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

Structure



Background

Mometasone is a synthetic glucocorticoid with anti-inflammatory and anti-allergic activities.^{1,2,3} *In vivo*, mometasone (3 mg/kg) reduces pulmonary edema and neutrophil infiltration in a mouse model of chlorine-induced chemical lung injury.¹ Intranasal administration of mometasone (0.2 µg/animal) reduces nose-rubbing behavior, sneezing, and nasal mucosal levels of IL-4 in a mouse model of allergic rhinitis.² Mometasone also reduces nasal mucosal epithelial destruction, fibrosis, and cilia loss in a rat model of rhinitis medicamentosa induced by oxymetazoline .

1.Kitlevsen, D.K., Povlsen, G.K., Berezin, V., et al. NCAM-induced intracellular signaling revisited. J.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Neurosci. Res.86(4)727-743(2008) 2.Williams, E.J., Furness, J., Walsh, F.S., et al.Activation of the FGF receptor underlies neurite outgrowth stimulated by L1, N-CAM, and N-cadherinNeuron.13(3)583-594(1994) 3.Van Acker, H.H., Van Acker, Z.P., Versteven, M., et al.CD56 homodimerization and participation in anti-tumor immune effector cell functioning: A role for interleukin-15Cancers (Basel)11(7)1029(2019)

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