

Product Data Sheet

Product Name: Flunisolide

Cat. No.: GC31747

Chemical Properties

Cas. No. 3385-03-3

SMILES C[C@@]12[C@@]3(C(CO)=O)[C@@](OC(C)(O3)C)([H])C[C@@]1([H])[C@]4([H])C[C@@H](F)C5=CC(C=C[C@]5(C)[C@@]4([H])[C@@H](O)C2)=O

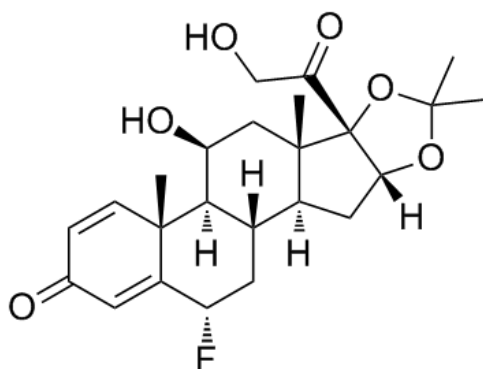
Formula $C_{24}H_{31}FO_6$ M.Wt 434.5

Solubility 30mg/ml in ethanol or DMSO, or DMF 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

Flunisolide is a fluorinated corticosteroid receptor agonist that induces reversible pyloric hyalinization

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

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in CD-1 mice following oral administration at a dose of 200 µg/kg per day.[1] Formulations containing flunisolide have been used for the treatment of asthma.[2]

Reference:

[1]. McKevitt, T.P., Giffen, P., Woodfine, J.A., et al. Hyalinization of the pyloric stomach in CD-1 mice following oral (dietary) administration of the corticosteroid agonists mometasone furoate, budesonide, and flunisolide. *Toxicol. Pathol.* 39(6), 958-968 (2011).

[2]. O'Callaghan, C., White, J.A., and Kantar, A. Nebulization of corticosteroids to asthmatic children: Large variation in dose inhaled. *Respirology* 19(2), 276-279 (2014).

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