

Product Data Sheet

Product Name: Desoximetasone-d3

Cat. No.: GC47198

Chemical Properties

Cas. No. N/A

SMILES O=C1C=C[C@@]2(C)C(CC[C@]3([H])[C@]2(F)[C@@H](O)C[C@@]4(C)[C@@]3([H])C[C@@H](C)[C@]4([2H])C(C([2H])([2H])O)=O)=C1

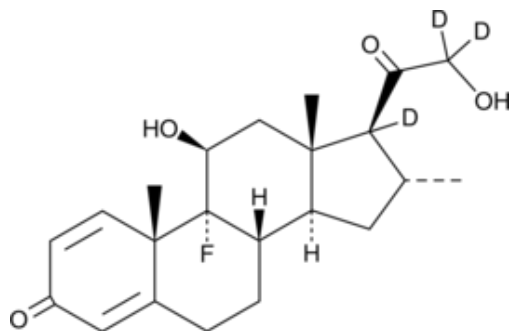
Formula C₂₂H₂₆D₃FO₄ M.Wt 379.5

Solubility DMSO: soluble, Methanol: 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

Desoximetasone-d₃ is intended for use as an internal standard for the quantification of desoximetasone by GC- or LC-MS. Desoximetasone is a glucocorticoid.¹ *In vivo*, desoximetasone (0.001-0.1 mg) reverses increases in epidermal cell proliferation induced by phorbol 12-myristate 13-acetate in SENCAR mice when administered topically. It also reduces TPA-induced expression of IL-6, COX-2, iNOS, and c-Jun mRNA levels in the skin of SENCAR mice, indicating anti-inflammatory action. Formulations containing desoximetasone have been used in the treatment of psoriasis and atopic dermatitis.

1. Kowalczyk, P., Junco, J.J., Kowalczyk, M.C., et al. The effects of dissociated glucocorticoids

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

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RU24858 and RU24782 on TPA-induced skin tumor promotion biomarkers in SENCAR miceMol.
Carcinog.53(6)488-497(2014)

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