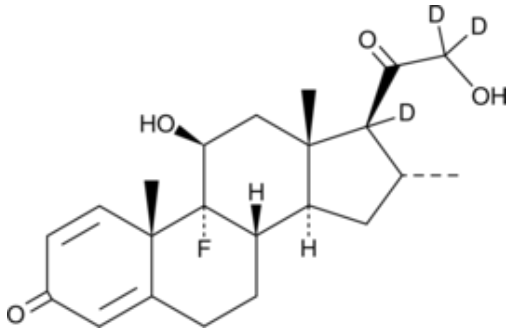
Product Data Sheet

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 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

Desoximetasone-d_3 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)