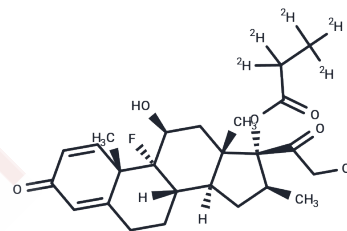


Clobetasol Propionate-D5

Chemical Properties

CAS No. :	2280940-18-1
Formula:	C ₂₅ H ₂₇ ClD ₅ F ₀₅
Molecular Weight:	472
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Clobetasol Propionate-D5 is intended for use as an internal standard for the quantification of clobetasol propionate by GC- or LC-MS. Clobetasol propionate is a corticosteroid. It binds to glucocorticoid receptors in a cell-free assay and inhibits proliferation of primary human skin fibroblasts when used at a concentration of 5 µg/ml. Topical administration of clobetasol propionate reduces croton oil-induced ear edema in mice. Formulations containing clobetasol propionate have been used in the treatment of inflammatory skin conditions.
Targets(IC50)	Cytochromes P450

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1186 mL	10.5932 mL	21.1864 mL
5 mM	0.4237 mL	2.1186 mL	4.2373 mL
10 mM	0.2119 mL	1.0593 mL	2.1186 mL
50 mM	0.0424 mL	0.2119 mL	0.4237 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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