

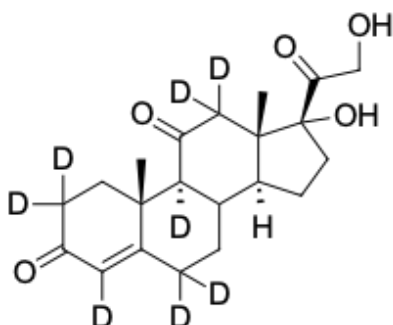
Cortisone-d8

<http://www.lumiprobe.com/p/cortisone-d8>

Cortisone is a metabolic product of cortisol that possesses glucocorticoid and mineralocorticoid properties and is used to suppress inflammation, dissolve scar tissue, stabilize the body's defenses, and speed the healing process.

Cortisone is an inactive form of cortisol that is converted by the enzyme 11 β -hydroxysteroid dehydrogenase type 2 in the adrenal cortex, allowing for the specific binding of aldosterone to the mineralocorticoid receptor (MR). Cortisone is used to treat adrenal insufficiency and inflammation.

Cortisone-d8 is intended for use as an internal standard for the quantification of cortisone by GC- or LC-MS.



Structure of Cortisone-d8

General properties

Appearance: off-white solid

Molecular weight: 368.50

CAS number: 1257650-98-8

Molecular formula: C₂₁H₂₀D₈O₅

Solubility: Acetonitrile, methanol

Quality control: NMR ¹H and HPLC-MS (95+ %, D: 98+ %)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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