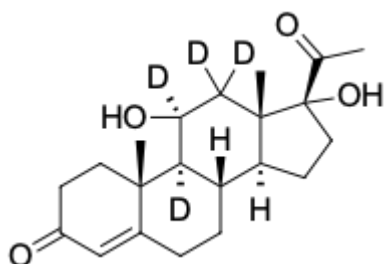


21-Deoxycortisol-d4

<http://www.lumiprobe.com/p/21-deoxycortisol-d4>

21-Deoxycortisol is a corticosteroid metabolite of 17-hydroxyprogesterone produced in the adrenal gland via 11-hydroxylation by 11 β -hydroxylase. Serum levels of 21-deoxycortisol are elevated in patients with congenital adrenal hyperplasia that are heterozygous for mutations in CYP2A21, the gene encoding steroid 21-hydroxylase, and have been used as a biomarker for the detection of 21-hydroxylase deficiencies.



Structure of 21-Deoxycortisol-d4

General properties

Appearance: white powder

Molecular weight: 350.49

Molecular formula: C₂₁H₂₆D₄O₄

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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