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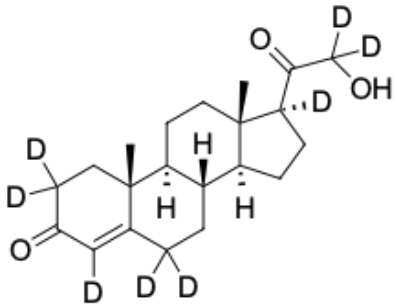
Deoxycorticosterone-d8

http://www.lumiprobe.com/p/11-deoxy-corticosterone-d8

Deoxycorticosterone (DOC) serves as a key precursor in corticosterone synthesis and demonstrates significant physiological importance as a progesterone metabolite, with levels increasing substantially during pregnancy. As a potent mineralocorticoid receptor agonist, elevated DOC concentrations can lead to pathological mineralocorticoid excess states.

The measurement of deoxycorticosterone in blood is clinically important for diagnosing conditions such as congenital adrenal hyperplasia, identifying the causes of hypertension and hypokalemia due to mineralocorticoid excess, and detecting DOC-producing adrenal tumors.

Using our Deoxycorticosterone-d8 as an internal standard enables precise and reliable quantification of DOC levels in biological samples, ensuring high analytical accuracy for both clinical diagnostics and research applications.



Structure of Deoxycorticosterone-d8

General properties

Appearance:	off-white solid
Molecular weight:	338.52
CAS number:	5487-63-3
Molecular formula:	$C_{21}H_{22}D_8O_3$
Solubility:	acetonitrile, methanol
Quality control:	NMR ^1H and HPLC-MS (95+ %, D: 98+ %)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.