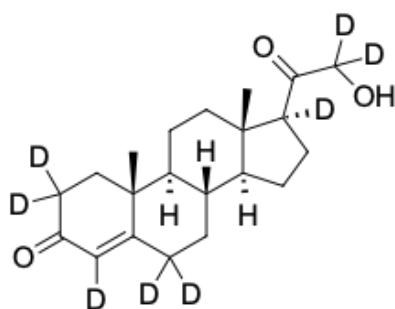


Deoxycorticosterone-d8

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

Deoxycorticosterone-d8 is the deuterium-labeled deoxycorticosterone and is intended for use as an internal standard for the quantification of deoxycorticosterone by LC-MS.

Deoxycorticosterone (DOC) is defined as a precursor for corticosterone and consequently of aldosterone, leading to increased levels of these adrenal steroids upon DOC administration. Deoxycorticosterone is an important metabolite of progesterone that increases tenfold during pregnancy. DOC is a mineralocorticoid receptor agonist. Excessive DOC can lead to a mineralocorticoid excess state and hypertension. DOC excess can arise from adrenal tumors or congenital adrenal hyperplasia.



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 ₈ O ₃
Solubility:	acetonitrile, methanol
Quality control:	NMR ¹ H 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.
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.