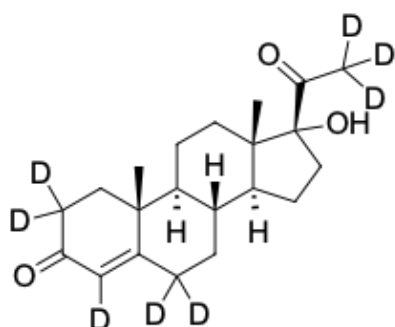


17 α -Hydroxyprogesterone-d8

<http://www.lumiprobe.com/p/17-alpha-hydroxyprogesterone-d8>

17 α -Hydroxyprogesterone-d8 is a deuterium labeled 17 α -hydroxyprogesterone and is intended for use as an internal standard utilized in the measurement of 17 α -hydroxyprogesterone through GC- or LC-MS methods.

17 α -hydroxyprogesterone is a 17 α -hydroxy derivative of progesterone and is a steroid itself that is secreted in parallel to progesterone from the corpus luteum. 17 α -hydroxyprogesterone may be a better marker of corpus luteum function in early pregnancy than progesterone because there is limited placental hydroxylation at this stage. High levels of 17 α -hydroxyprogesterone are observed in congenital adrenal hyperplasia (CAH). 17 α -hydroxyprogesterone caproate is currently the only medication approved to prevent recurrent preterm birth.



Structure of 17 α -Hydroxyprogesterone-d8

General properties

Appearance: off-white solid

Molecular weight: 338.52

CAS number: 850023-80-2

Molecular formula: C₂₁H₂₂D₈O₃

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.

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.