

Estriol-d3

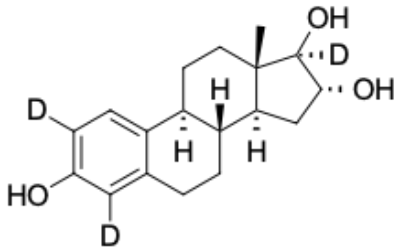
<http://cn.lumiprobe.com/p/estriol-d3>

Estriol-(2,4,17)-d3 is a stable isotope-labeled analog of estriol in which three hydrogen atoms at positions 2, 4, and 17 are replaced with deuterium.

Estriol is one of the three major estrogens produced by the human body, alongside estradiol and estrone. It is a hydroxylated metabolite of estradiol. During pregnancy, the placenta produces substantial amounts of estriol, making it the predominant estrogen of the gestational period and a key marker of fetoplacental unit function. In addition to clinical diagnostics, the compound is employed in pharmacokinetic studies, drug development, and fundamental research on estrogen receptor interactions.

Our product features high isotopic and chemical purity, ensuring reliable reproducibility and minimal measurement error in even the most demanding analytical methodologies.

The compound is used as an internal standard for the quantitative determination of estriol by LC-MS/MS.



外观: 白色粉末

分子量: 291.41

CAS 编号: 2687960-79-6

分子式: $C_{18}H_{21}D_3O_3$

溶解度:

质量控制: NMR 1H 和 HPLC-MS (95+%、D: 98+%)

储存条件:

法律声明: 本产品仅供研究目的提供和销售。本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊断、人类或动物用途, 以及商业用途。