

2'-Deoxyadenosine-d2

<http://hk.lumiprobe.com/p/2-deoxyadenosine-d2>

2'-Deoxyadenosine-(ribose-5,5-d2) is a deuterated form of the nucleoside 2'-deoxyadenosine and is intended for use as an internal standard for the quantification of deoxyadenosine by LC-MS/MS. Deoxyadenosine is a nucleoside that is converted to deoxyinosine by the enzyme adenosine deaminase and is a good marker of Adenosine deaminase (ADA) deficiency. Screening specific for ADA deficiency can be performed by detection of elevated levels of adenosine (Ado) and deoxyadenosine (dAdo) by tandem mass spectrometry. The ADA deficiency phenotypic spectrum includes typical early-onset severe combined immunodeficiency (ADA-SCID), diagnosed in infancy (about 80% of individuals), and less severe delayed or late-onset combined immunodeficiency (ADA-CID), diagnosed in older children and adults.



外观:

分子量: 253.26

分子式: $C_{10}H_{11}D_2N_5O_3$

溶解度:

质量控制: NMR 1H 和 HPLC-MS (95+%、D: 98+%)

储存条件:

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。