

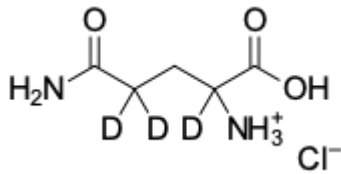
D,L-Glutamine-d3

<http://hk.lumiprobe.com/p/d-l-glutamine-d3-hydrochloride>

As a key amino acid, glutamine is involved in fundamental processes of cellular metabolism and biosynthesis, serving as a precursor for neurotransmitters, including excitatory glutamate and inhibitory GABA. Monitoring its concentration in blood plasma holds significant clinical and research value. In oncology, glutamine levels serve as an important prognostic indicator of tumor metabolic activity. In critical conditions such as sepsis or major trauma, it reflects the degree of metabolic stress and catabolism, while in sickle cell disease, it is used to assess the efficacy of specific therapy.

The use of our highly purified standard, chemically identical to glutamine but with a distinct mass, enables the complete elimination of matrix effects and analytical errors at all stages, ensuring maximum accuracy and reproducibility of measurement results in clinical diagnostics and biomedical research.

Product is intended for the precise quantitative determination of glutamine in biological matrices using tandem mass spectrometry (MS/MS).



外观:

分子量: 185.63

CAS 编号: 203805-84-9 (free acid)

分子式: C₅H₈D₃ClN₂O₃

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。