

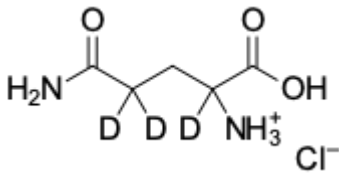
D,L-Glutamine-d3

<http://cn.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:
CAS
编号:
分子
式:
溶解
度:
质量
控制:
储存
条件:
法律
声明:

185.63

203805-84-9 (free acid)

C₅H₈D₃ClN₂O₃

NMR ¹H 和 HPLC-MS (95+ %, D: 98+ %)

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