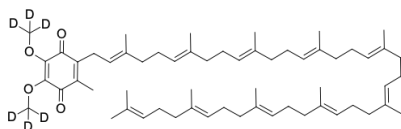


Coenzyme Q10-d6

<http://hk.lumiprobe.com/p/coenzyme-q10-d6>

Coenzyme Q10 (ubiquinone) is a naturally occurring quinone found in cell membranes, mainly in mitochondrial membranes, with the highest concentration in the heart, lungs, liver, kidney, spleen, pancreas and adrenal glands. It is a component of the electron-transport chain and participates in aerobic cellular respiration. CoQ10 is a cofactor for mitochondrial enzyme complexes involved in oxidative phosphorylation in the synthesis of adenosine triphosphate, as well as an effective membrane antioxidant. The content of coenzyme Q10 and values of its redox status in the body can be determined as a biomarker of oxidative stress in cardiovascular diseases, diabetes, and it is also important for the assessment of hyperlipidemia treatment efficiency. CoQ10 blood levels should be monitored for patients with neurodegenerative diseases and mitochondrial encephalomyopathies.

This product is a CoQ10 labeled with stable isotope (deuterium) for the quantitation of CoQ10 in biological samples by means of tandem mass spectrometry.



外观:

分子量: 869.38

CAS 编号: 1331655-96-9

分子式: $C_{59}H_{84}D_6O_4$

溶解度:

质量控制: NMR 1H and HPLC-MS (95+ %, D: 95+ %)

储存条件: 收到後在-20°C 避光條件下保存 24 個月。運輸: 室溫最多可保存3週。乾燥。

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。