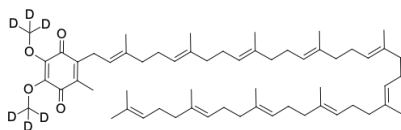


Coenzyme Q10-d6

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

Coenzyme Q10 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, producing energy in the form of ATP. 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, as well as an important indicator in assessing the effectiveness of treatment of hyperlipidemia. It is also advisable to monitor the level of coenzyme Q10 in blood, in neurodegenerative diseases and mitochondrial encephalomyopathies.



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。

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