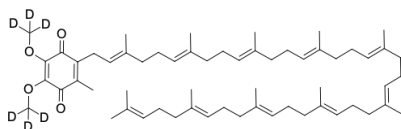


Coenzyme Q10-d6

<http://cn.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 quantiation of CoQ10 in biological samples by means of tandem mass spectrometry.



外观:

分子 869.38

子

量:

CAS 1331655-96-9

编号:

分子

$C_{59}H_{84}D_6O_4$

式:

溶解

度:

质量

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

控制:

储存

条件:

收到后在 -20 °C 黑暗条件下可保存 24 个月。运输: 室温下最多可保存 3 周。干燥。

法律

声明:

本

本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊断、人类或动物用途, 以及商业用途。