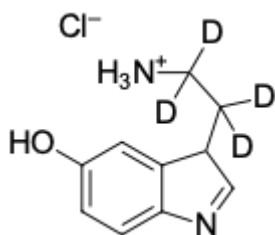


## Serotonin-d4

<http://hk.lumiprobe.com/p/serotonin-d4-hydrochloride-2469263-61-2>

Serotonin, or 5-hydroxytryptamine (5-HT), is a neurotransmitter with an integral physiological role in the human body; it regulates various activities, including behavior, mood, memory, and gastrointestinal homeostasis. Serotonin is synthesized in the raphe nuclei of the brainstem and the enterochromaffin cells of the intestinal mucosa. Serotonin is a primary treatment target for many psychiatric and neurological disorders associated with decreased CNS and plasma serotonin concentration, such as major depressive disorder, post-traumatic stress disorder, obsessive-compulsive disorder, and anxiety disorders. Serotonin plays a significant role in the pharmacodynamic activities of antidepressants, such as SSRIs (Selective serotonin reuptake inhibitor) and SNRIs (Serotonin-norepinephrine reuptake inhibitor). Plasma serotonin levels are associated with antidepressant response to SSRIs. Plasma serotonin increased in hepatocellular carcinoma (HCC) patients.



外观: 灰色粉末

分子量: 216.70

CAS 编号: 2469263-61-2

分子式:  $C_{10}H_9D_4ClN_2O$

质量控制: NMR  $^1H$  和 HPLC-MS (95+ %, D: 98+ %)

储存条件: 收到後 -20°C 避光保存 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。