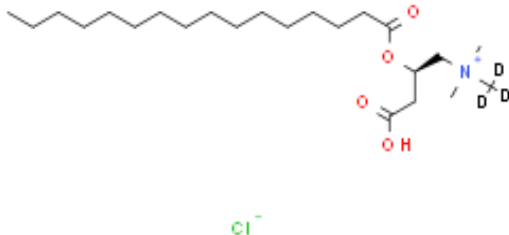


Product Data Sheet

Cas No.:	1334532-26-1	Cat. No:	PL09931
Product Name:	L-Palmitoylcarnitine-d3 (hydrochloride)		
Product synonym:	L-氯化棕榈酰肉碱-D3氘代内标;L-氯化棕榈酰肉碱-D3;十六酰基-L-肉碱-d3盐酸盐(N-甲基-d3);十六烷酰基-L-肉碱 d3 （盐 酸盐）;L-十六碳酰肉碱盐酸盐-D3;十六烷酰基-L-肉碱-[D3] HCL;棕榈酰-L-左旋肉碱-[D3]盐酸盐;左卡尼汀:HCL, O-PALMITOYL;十六烷酰基-L-肉碱-[D3]盐酸盐;左旋肉碱:盐酸盐, O-棕榈酰 (N-甲基-D3, 98%);棕榈酰左旋肉碱-D3盐酸盐		
Chemical name:	L-Palmitoylcarnitine-d3 (hydrochloride)		
MF:	C23H46CLNO4	FW:	439.087131977081
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	[Cl-].O(C(CCCCCCCCCCCCCC=O)[C@H](CC(=O)O)C[N+](C)(C)C([2H])([2H])[2H])		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

L-Palmitoylcarnitine-d3 (hydrochloride) 是 L-Palmitoylcarnitine hydrochloride 的氘代物。L-Palmitoylcarnitine hydrochloride 是一种长链酰基肉碱和脂肪酸代谢产物，在缺血期间积聚于肌膜并扰乱膜脂环境。L-Palmitoylcarnitine hydrochloride 通过与 Kir6.2 的相互作用抑制 KATP 通道活性，而不影响单通道电导。

生物活性	L-Palmitoylcarnitine-d 3 (hydrochloride) is the deuterium labeled L-Palmitoylcarnitine hydrochloride. L-Palmitoylcarnitine hydrochloride, a long-chain acylcarnitine and a fatty acid metabolite, accumulates in the sarcolemma and deranges the membrane lipid environment during ischaemia. L-Palmitoylcarnitine hydrochloride inhibits KATP channel activity, without affecting the single channel conductance, through interaction with Kir6.2[1].
体外研究(In Vitro)	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)