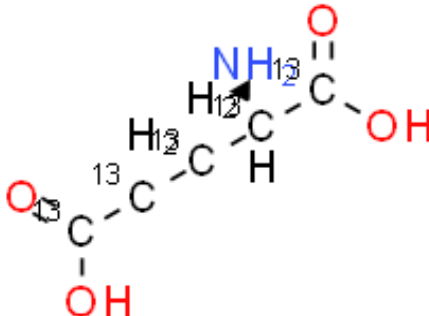


Product Data Sheet

Cas No.:	55443-55-5	Cat. No:	PL04150
Product Name:	L-Glutamic acid-13C5		
Product synonym:	中文名称暂缺		
Chemical name:	L-Glutamic acid-13C5		
MF:	C5H9NO4	FW:	147.12926
Purity:	-	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	OC(CC[C@@H](C(=O)O)N)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

L-Glutamic acid-¹³C5 是带有 ¹³C 标记的 L-Glutamic acid。L-Glutamic acid 作为一种兴奋性氨基酸神经递质，为谷氨酸盐受体所有亚型(代谢型红藻氨酸、NMDA 和 AMPA)的激动剂。对 DA 从多巴胺能神经末梢释放的过程有激动作用。

生物活性	L-Glutamic acid-C 5 is the C-labeled L-Glutamic acid. L-Glutamic acid acts as an excitatory transmitter and an agonist at all subtypes of glutamate receptors (metabotropic, kainate, NMDA, and AMPA). L-Glutamic acid shows a direct activating effect on the release of DA from dopaminergic terminals.
IC50 & Target[1][2]	AMPA Receptor NMDA Receptor
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	Please store the product under the recommended conditions in the Certificate of Analysis.
溶解度数据	In Vitro: H ₂ O : 5 mg/mL (32.88 mM); ultrasonic and warming and heat to 60°C)配制储备液