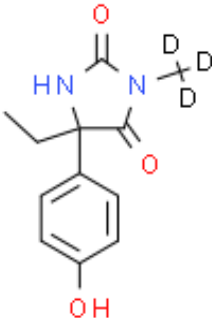


Product Data Sheet

Cas No.:	1173022-56-4	Cat. No:	PL06264
Product Name:	4-Hydroxymephenytoin-d3		
Product synonym:	(±)-4-羟基美芬妥因-d3;[2H3] -4 - 羟基美芬妥因标准品;4羟基美芬妥英;4-羟基美芬妥英-D3;三甲基甲硅烷基锡		
Chemical name:	4-Hydroxymephenytoin-d3		
MF:	C12H14N2O3	FW:	234.25116
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	CCC1(NC(=O)N(C([2H])([2H])([2H])C1=O)C1C=CC(O)=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

4-Hydroxymephenytoin-d₃ 是 4-Hydroxymephenytoin 的氘代物。4-Hydroxymephenytoin 是抗癫痫药 mephenytoin 的代谢物; mephenytoin 为 CYP2C19 的一种配体。

生物活性	4-Hydroxymephenytoin-d ₃ is the deuterium labeled 4-Hydroxymephenytoin. 4-Hydroxymephenytoin is a metabolism of an antiepileptic drug mephenytoin, which is used as a CYP2C19 substrate[1][2].
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	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 100 mg/mL (421.46 mM; Need ultrasonic)配制储备液