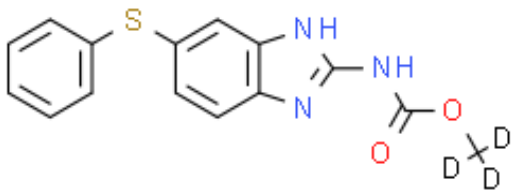
Product Data Sheet

Cas No.:	1228182-47-5	Cat. No:	PL07282
Product Name:	Fenbendazole-d3		
Product synonym:	芬苯达唑-D3标准品;WITEGABI024芬苯达唑-D3标准品;芬苯哒唑-D3;芬苯哒唑-D3 标准品;芬苯达唑-D3;甲基-d3 5-(苯硫基)-2-苯并咪唑氨基甲酸酯;三氘代芬苯达唑;芬苯达唑d3		
Chemical name:	Fenbendazole-d3		
MF:	C15H13N3O2S	FW:	302.366106748581
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	[2H]C(OC(NC1=NC2C(=CC(SC3=CC=CC=C3)=CC=2)N1)=O)([2H])[2H]		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Fenbendazole-d3 是一种氘标记的 Fenbendazole。Fenbendazole-d3 是一种 HIF-1α 激动剂，可激活 HIF-1α 相关的 GLUT1 通路。Fenbendazole 是一种具有口服活性的苯并咪唑驱虫剂，具有广泛的抗寄生虫活性。Fenbendazole 是一种微管去稳定剂。 Fenbendazole 导致细胞周期停滞和有丝分裂细胞死亡，并且在野生型 p53 异种移植小鼠中具有抗肿瘤活性。

生物活性	Fenbendazole-d 3 is a deuterium labeled Fenbendazole. Fenbendazole-d 3 is a HIF-1α agonist and activates the HIF-1α-related GLUT1 pathway. Fenbendazole is an orally active benzimidazole anthelmintic agent, with a broad antiparasitic range. Fenbendazole is a microtubule destabilizing agent. Fenbendazole causes cell-cycle arrest and mitotic cell death, and has antitumor activity in mice xenografted with wild-type p53[1][2][3][4].
体外研究(In Vitro)	芬苯达唑d3 (20 μM; 48 小时) 逆转了 miR-143-5p 对增殖、集落形成能力和迁移的抑制作用。 芬苯达唑d3 (20 μM; 48 小时) 可以提高 HIF-1α 和 GLUT1 的蛋白质表达水平。 has not independently confirmed the accuracy of these methods. They are for reference only.Cell Proliferation Assay
包装储存	4°C, protect from light In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)
溶解度数据	In Vitro: DMSO : 5 mg/mL (16.54 mM; ultrasonic and warming and heat to 60°C)配制储备液