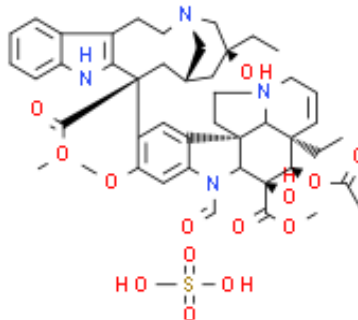


## Product Data Sheet

Cas No.:	1217854-24-4	Cat. No:	PL05683
Product Name:	Vincristine-d3-ester (sulfate)		
Product synonym:	[2H3]-长春新碱硫酸盐;硫酸长春新碱 ester (硫酸盐)		
Chemical name:	Vincristine-d3-ester (sulfate)		
MF:	C46H58N4O14S	FW:	923.036132335663
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S(O)(O)(=O)=O.C([C@]12C=CCN3CC[C@@]4(C5=CC([C@]6(C[C@@]7([H])C[C@@](O)(CC)C[N@@](CCC8C9=CC=CC=C9NC6=8)C7)C(=O)OC([H])([H])([H])=C(OC)C=C5N(C=O)[C@@]4([H])[C@@](O)(C(=O)OC)[C@@H]1OC(=O)C)[C@]23[H])C		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

Vincristine-d3-ester (sulfate) 是 Vincristine sulfate 的氘代物。Vincristine sulfate 是一种抗肿瘤长春花生物碱，抑制有丝分裂纺锤体中的 microtubule 形成，导致中期阶段的分裂细胞停滞。它与 microtubule 结合的  $K_i$  为 85 nM。

生物活性	Vincristine-d 3 -ester (sulfate) is the deuterium labeled Vincristine sulfate. Vincristine sulfate is an antitumor vinca alkaloid which inhibits microtubule formation in mitotic spindle, resulting in an arrest of dividing cells at the metaphase stage. It binds to microtubule with a $K_i$ of 85 nM[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	-20°C, protect from light, stored under nitrogen In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)