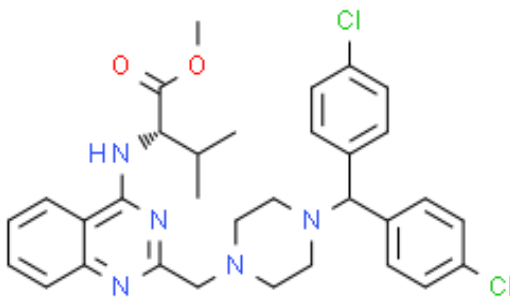


Product Data Sheet

Cas No.:	922150-12-7	Cat. No:	PL06989
Product Name:	P53R3		
Product synonym:	-		
Chemical name:	P53R3		
MF:	C32H35CL2N5O2	FW:	592.55860543251
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C(OC)(=O)[C@H](C(C)C)NC1=C2C(=NC(CN3CCN(C(C4=CC=C(Cl)C=C4)C4=CC=C(Cl)C=C4)CC3)=N1)C=CC=C2		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

P53R3 是一种有效的 p53 reactivator，可恢复 p53 热点突变体（包括 p53^{R175H}、p53^{R248W} 和 p53^{R273H}）的序列特异性 DNA 结合。P53R3 以比 PRIMA-1 高得多的特异性诱导 p53 依赖性抗增殖作用。P53R3 增强了野生型 p53 和 p53^{M237I} 向几个靶基因启动子的募集。P53R3 强烈增强死亡受体死亡受体 5 (DR5) 的 mRNA、总蛋白和细胞表面表达。P53R3 可以用于癌症研究。

生物活性

P53R3 is a potent p53 reactivator and restores sequence-specific DNA binding of p53 hot spot mutants, including p53, p53 and p53. P53R3 induces p53-dependent antiproliferative effects with much higher specificity than PRIMA-1. P53R3 enhances the recruitment of wild-type p53 and p53 to several target gene promoters. P53R3 strongly enhances the mRNA, total protein and cell surface expression of the death receptor death receptor 5 (DR5). P53R3 is used for cancer research.

体外研究(In Vitro)	<p>P53R3 (10?µg/ml; 24 hours; in the absence or presence of the unlabelled p53 consensus oligonucleotide) restores p53-specific DNA binding activity to p53 (a DNA contact mutant) and p53R175H (a structural mutant) in WiDr colon tumour cells harbouring p53 and KLE cells with p53R175H.</p> <p>P53R3 (1-33 µg/ml; 24 hours) inhibits the proliferation of the LN-308 sublines expressing mutant p53 plasmids in a p53-dependent manner. The p53-dependent effects are strong over a broad range of concentrations, but p53-dependent effects are weaker and requires high concentrations of P53R3.</p> <p>P53R3 induces p53 reactivation is more pronounced proliferation inhibition than observed with p53. P53R3 does not exhibit cytotoxic effects even at concentrations close to its solubility limit (33?µg/ml).</p> <p>P53R3 (33?µg/ml; 18 hours) induces a strong decrease in S phase cells and a G0/G1 cell</p>
包装储存	4°C, stored under nitrogen In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)
溶解度数据	In Vitro: DMSO : ≥ 100 mg/mL (168.76 mM)配制储备液