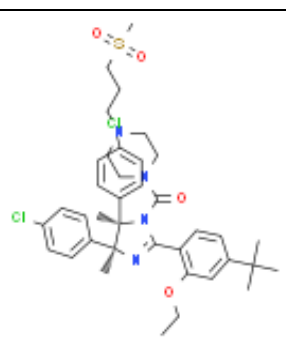


Product Data Sheet

Cas No.:	939981-39-2	Cat. No:	PL07020
Product Name:	RG7112		
Product synonym:	[(4R,5S)-4,5-双(4-氯苯基)-2-[4-(1,1-二甲基乙基)-2-乙氧基苯基]-4,5-二氢-4,5-二甲基-1H-咪唑-1-基][4-[3-(甲磺酰基)丙基]-1-哌嗪基]甲酮;(4R,5S)-4,5-双(4-氯苯基)-2-[4-(1,1-二甲基乙基)-2-乙氧基苯基]-4,5-二氢-4,5-二甲基-1H-咪唑-1-基][4-[3-(甲磺酰基)丙基]-1-哌嗪基]甲酮;[(4R,5S)-4,5-双(4-氯苯基)-2-[4-(1,1-二甲基乙基)-2-乙氧基苯基]-4,5-二氢-4,5-二甲基-1H-咪唑-1-基][4-[3-(甲磺酰基)丙基]-1-哌嗪基...];[(4R,5s)-4,5-双(4-氯苯基)-2-[4-(1,1-二甲基乙基)-2-乙氧基苯基]-4,5-二氢-4,5-二甲基-1H-咪唑-1-基][4-[3-(甲磺酰基)丙基]-1-哌嗪基]甲酮		
Chemical name:	RG7112		
MF:	C38H48Cl2N4O4S	FW:	727.783126831055
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C[C@]1([C@ @](C2C=CC(Cl)=CC=2)(C)N=C(C2C=CC(C(C)C)=CC=2OCC)N1C(N1CCN(CCCS(=O)(=O)C)CC1)=O)C1C=CC(Cl)=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

RG7112 是有效的、选择性的、第一个用于临床的、可口服的、可透过血脑屏障的、MDM2-p53 抑制剂, IC₅₀ 值为 18 nM, 结合到MDM2 的K_D 值为 11 nM.

生物活性	RG7112 is a potent, selective, first clinical, orally active and blood-brain barrier crossed MDM2-p53 inhibitor, with an IC ₅₀ of 18 nM and a K _D of 11 nM for binding to MDM2.
IC50 & Target[1][2]	Kd: 11 nM (MDM2)
体外研究(In Vitro)	RG7112 (0-5 μM) stabilizes wild-type p53 and induces p53 signaling in cancer cells. RG7112 effectively activates p53 functions in cancer cells. has not independently confirmed the accuracy of these methods. They are for reference only.Cell Proliferation Assay

体内研究(In Vivo)	RG7112 (25-200 mg/kg, single oral dose) activates p53 pathway and induces apoptosis in tumor cells in vivo. RG7112 (100 mg/kg, gavage once per day, 5 days/week for 3 weeks) reduces tumor growth rate and increases survival in GBM models. 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 : 200 mg/mL (274.81 mM; Need ultrasonic)配制储备液