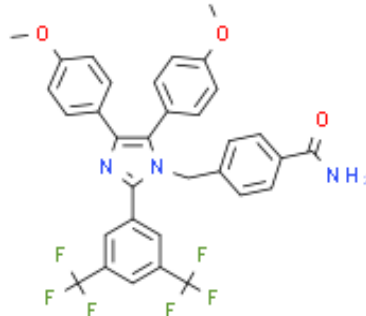


Product Data Sheet

Cas No.:	1054543-47-3	Cat. No:	PL04348
Product Name:	Apoptozole		
Product synonym:	4-[[2-[3,5-二(三氟甲基)苯基]-4,5-二(4-甲氧基苯基)-1H-咪唑-1-基]甲基]苯甲酰胺;Apoptozole		
Chemical name:	Apoptozole		
MF:	C33H25F6N3O3	FW:	625.5603
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	FC(C1C([H])=C(C(F)(F)F)C([H])=C(C=1[H])C1=NC(C2C([H])=C([H])C(=C([H])C=2[H])OC([H])([H])([H])=C(C2C([H])=C([H])C(=C([H])C=2[H])OC([H])([H])([H])N1C([H])([H])C1C([H])=C([H])C(C(N([H])([H])=O)=C([H])C=1[H])(F)F		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Apoptozole (Apoptosis Activator VII) 是 Hsc70 和 Hsp70 的 ATPase 结构域抑制剂，可诱导凋亡，K_d 值分别为 0.21 和 0.14 μM。

生物活性	Apoptozole (Apoptosis Activator VII) is an inhibitor of the ATPase domain of Hsc70 and Hsp70, with K _d s of 0.21 and 0.14 μM, respectively, and can induce apoptosis.
IC50 & Target[1][2]	HSP70 0.14 μM (Kd) HSC70 0.21 μM (Kd)
体外研究(In Vitro)	Apoptozole is an inhibitor of Hsc70 and Hsp70, which binds to Hsc70 and Hsp70, with K _d s of 0.21 and 0.14 μM, respectively. Apoptozole (Apoptosis Activator VII; 1 μM) induces apoptosis in P19 cells. Apoptozole shows inhibitory activities against several cancer cell lines, such as SK-OV-3 (ovarian cancer cells), HCT-15 (colon cancer cells), and A549 (lung cancer cells), with IC ₅₀ s of 0.22, 0.25, and 0.13 μM, respectively. Apoptozole binds to the ATPase domain of Hsc70 and Hsp70, but does not binds to other types of heat shock proteins such as Hsp60, Hsp90 or Hsp40. Apoptozole (0-15 μM) suppresses the growth of A549 cells, HeLa cells, and MDA-MB-231 cells, with IC ₅₀ s ranging from 5 to 7 μM. Apoptozole (5 or 10 μM) shows no effect on associations of HSP70 with ASK1, JNK, or BAX, and does not induce AIF-mediated caspase-independent apoptosis in HeLa

体内研究(In Vivo)	Apoptozole (Apoptosis Activator VII; 4 mg/kg, i.p.) exhibits antitumor activities in nude mice xenografted with A549, RKO (colorectal carcinoma), and HeLa cells. 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 (159.86 mM)配制储备液