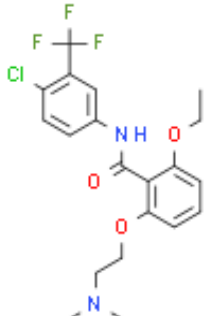


## Product Data Sheet

Cas No.:	1311423-89-8	Cat. No:	PL15143
Product Name:	YF-2		
Product synonym:	n-[4-氯-3-(三氟甲基)苯基]-2-[2-(二甲基氨基)乙氧基]-6-乙氧基-苯甲酰胺;N-(4-氯-3-(三氟甲基)苯基)-2-[2-(二甲基氨基)乙氧基]-6-乙氧基苯甲酰胺		
Chemical name:	YF-2		
MF:	C20H22ClF3N2O3	FW:	430.848495006561
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C(NC1=CC=C(Cl)C(C(F)(F)F)=C1)C2=C(OCC)C=CC=C2OCCN(C)C		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

YF-2 是一种高度选择性、可透过血脑屏障的组蛋白乙酰转移酶 (histone acetyltransferase) 激动剂，能够在海马区乙酰化 H3，对 CBP，PCAF 和 GCN5 的 EC<sub>50</sub> 值分别为 2.75 μM，29.04 μM 和 49.31 μM，对 HDAC 无作用。具有抗肿瘤和抗阿尔兹海默症的活性。

生物活性	YF-2 is a highly selective, blood-brain-barrier permeable histone acetyltransferase activator, acetylates H3 in the hippocampus, with EC <sub>50</sub> s of 2.75 μM, 29.04 μM and 49.31 μM for CBP, PCAF, and GCN5, respectively, shows no effect on HDAC. Anti-cancer and anti-Alzheimers disease.
IC <sub>50</sub> & Target[1][2]	GCN5/PCAF 29.04 μM (EC <sub>50</sub> ) GCN5 49.31 μM (E)
体外研究(In Vitro)	YF-2 (0.03, 0.1, 0.25, 0.5, 1, 2.5, 5, 15, 40 and 80 μM, 72 hours) inhibits the prelifiration of U251, CCRF-CEM, Hs578T, NCI-ADR-RES cells. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	YF-2 (20 mg/kg, 2 hours befor electric shock or 5 mg/kg, 30 min before the electric shock, i.p.) rescues the defect in contextual memory in mice, and shows no effect on contextual memory alone at 20 mg/kg in mice. 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 : $\geq 125$ mg/mL (290.12 mM)配制储备液