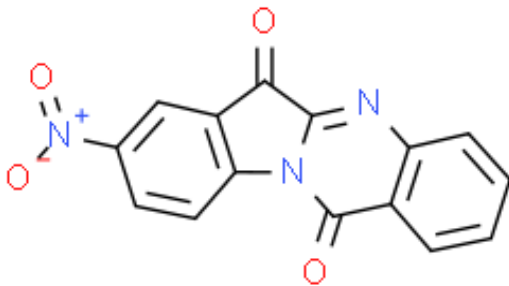


Product Data Sheet

Cas No.:	77603-42-0	Cat. No:	PL01115
Product Name:	GNF-PF-3777		
Product synonym:	8-Nitrotryptanthrin		
Chemical name:	GNF-PF-3777		
MF:	C15H7N3O4	FW:	293.234
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C1N2C(C(C3=C2C=CC([N+](=[O-])=O)=C3)=O)=NC4=CC=CC=C41		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

GNF-PF-3777 (8-Nitrotryptanthrin) 是一种有效的人吲哚胺2, 3-双加氧酶 2 (hIDO2) 抑制剂, 有效降低 IDO2 活性, K_i 值为 0.97 μM。

生物活性	GNF-PF-3777 (8-Nitrotryptanthrin) is a potent human indoleamine 2,3-dioxygenase 2 (hIDO2) inhibitor which significantly reduces IDO2 activity with K _i of 0.97 μM.
IC50 & Target[1][2]	rhIDO2 1.8 μM (IC50) rhIDO2 0.97 μM (K _i)
体外研究(In Vitro)	The typtanthrin derivative GNF-PF-3777 (8-Nitrotryptanthrin; Compound 5i) is found to be a potent hIDO2 inhibitor with superior efficiency far better than that of the most frequently-used inhibitor L-1-MT. The IC50 values show that all nine tryptanthrin compounds display hIDO2 inhibitory activities, GNF-PF-3777 demonstrates much stronger inhibition (1.87 μM) than both L-1-MT (82.53 μM) and D-1-MT (262.75 μM). GNF-PF-3777 exhibits significant antitrypanosomal activity with EC50 of 0.82 μM. GNF-PF-3777 (8-Nitrotryptanthrin) has a microplate Alamar Blue assay (MABA) minimum inhibitory concentration (MIC) value of 0.032 μg/mL. GNF-PF-3777 also has a LORA MIC value of 2.4 μg/mL, while the majority of analogues lack LORA activity. has not independently confirmed the accuracy of these methods. They are fo
包装储存	Powder -20°C 3 years; 4°C 2 years

溶解度数据	In Vitro: DMSO : 6.4 mg/mL (21.83 mM; Need warming)配制储备液
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