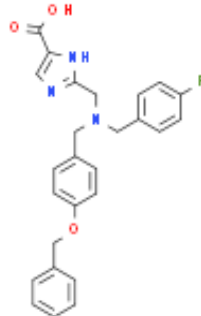


Product Data Sheet

Cas No.:	1382722-47-5	Cat. No:	PL07397
Product Name:	MMPI-1154		
Product synonym:	-		
Chemical name:	MMPI-1154		
MF:	C26H24FN3O3	FW:	445.485469818115
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	FC1C=CC(=CC=1)CN(CC1=NC=C(C(=O)O)N1)CC1C=CC(=CC=1)OCC1C=CC=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

MMPI-1154 是一种很有前景的，新型心肌细胞保护咪唑-羧酸 MMP-2 抑制剂 (IC₅₀=6.6 μM)，可用于急性心肌梗死的研究。MMPI-1154 也抑制 MMP-13、MMP-1 和 MMP-9 的活性，其 IC₅₀ 分别为 1.8 μM、10 μM、13 μM。

生物活性	MMPI-1154 is a promising novel cardio-cytoprotective imidazole-carboxylic acid (ICA) MMP-2 inhibitor(IC ₅₀ =6.6 μM) and can be used for the study of acute myocardial infarction. MMPI-1154 also inhibits the activity of MMP-13, MMP-1 and MMP-9 with IC ₅₀ s of 1.8 μM,10 μM, and 13 μM, respectively.
IC ₅₀ & Target[1][2]	MMP-2 6.6 μM (IC ₅₀) MMP-13 1.8 μM (IC ₅₀)
体外研究(In Vitro)	MMPI-1154 (1-100 μM) inhibits MMP-2 enzyme isolated from rat heart in vitro, and 100% inhibition appears at the concentration 100 μM. MMPI-1154 (1 μM) shows significant cardio-cytoprotection, significantly decreases infarct size in an ex vivo model for acute myocardial infarction. 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 : 83.33 mg/mL (187.05 mM; Need ultrasonic)配制储备液
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