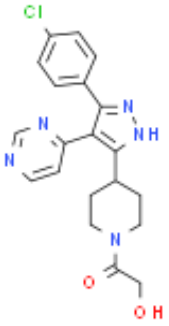
Product Data Sheet

Cas No.:	271576-80-8	Cat. No:	PL08729
Product Name:	SD 0006		
Product synonym:	3-[N-(2-羟基乙酰基)-4-哌啶基]-4-(4-嘧啶基)-5-(4-氯苯基)吡唑;SD-06		
Chemical name:	SD 0006		
MF:	C20H20N5O2CL	FW:	397.8581
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	OCC(N1CCC(CC1)C2=NNC(C3=CC=C(C=C3)Cl)=C2C4=NC=NC=C4)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

SD 0006 (SD-06) 是口服有效的、选择性的、ATP竞争性的、有效的 p38α MAPK 的二芳基吡唑抑制剂，其IC_{50} 值为 110 nM。

生物活性	SD 0006 (SD-06) is an orally active, selective, ATP-competitive and potent diaryl pyrazole inhibitor of p38α MAP kinase, with an IC 50 of 110 nM for p38α.
IC50 & Target[1][2]	IC50: 110 nM (p38 MAPK).
体外研究(In Vitro)	SD 0006 clearly inhibits p38α as shown by the dose-dependent inhibition of phosphorylation of its endogenous Hsp27 substrate. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	SD 0006 (0-30 mg/kg) may be an effective alternative to steroids and biologics for RA therapy. SD0006 (3.75, 7.5 and 15 mg/kg; p.o.; b.i.d.) is highly effective in attenuating SCW-induced inflammation as shown by the dose-dependent inhibition of paw swelling. 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 : 50 mg/mL (125.67 mM; Need ultrasonic)配制储备液