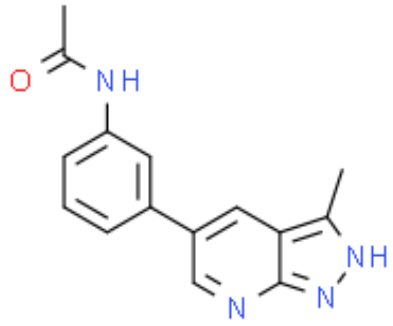
Product Data Sheet

Cas No.:	1401731-54-1	Cat. No:	PL06994
Product Name:	MRT00033659		
Product synonym:	-		
Chemical name:	MRT00033659		
MF:	C15H14N4O	FW:	266.297862529755
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	O=C(C)NC1=CC=CC(=C1)C1C=NC2C(=C(C)NN=2)C=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

MRT00033659 是一种有效的广谱激酶抑制剂，抑制 CK1 (对 CK1δ：IC_{50}=0.9 μM) 和 CHK1 (IC_{50}=0.23 μM)。MRT00033659 是一种吡唑并吡啶类似物，可以诱导 p53 途径活化和 E2F-1 不稳定。

生物活性	MRT00033659 is a potent broad-spectrum kinase inhibitor of CK1 (IC 50 =0.9 μM for CK1δ) and CHK1 (IC 50 =0.23 μM). MRT00033659, a pyrazolo-pyridine analogue, induces p53 pathway activation and E2F-1 destabilisation.
IC50 & Target[1][2]	CKIδ 0.9 μM (IC50) Chk1 0.23 μM (IC50
体外研究(In Vitro)	MRT00033659 (5-40 μM; 48 hours) is sufficient to significantly reduce cell number of 5 μM. MRT00033659 (1-80 μM; 48 hours) induces substantial cell death from 5 μM. MRT00033659 (0.2-80 μM; 48 hours) induces a robust and sustained stabilisation of p53, MDM2 and p21 proteins, as well as E2F-1 destabilisation from 0.2 μM to 5 μM. MRT00033659 does not inhibit p38α MAPK. 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 (312.92 mM; Need ultrasonic)配制储备液