

Product Name : Nucleozin

Synonyms : Nucleozin

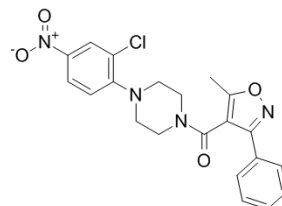
Cat No. : M14155

CAS Number : 341001-38-5

Molecular Formula : C₂₁H₁₉ClN₄O₄

Formula Weight : 426.85

Chemical Name : Methanone, [4-(2-chloro-4-nitrophenyl)-1-piperazinyl](5-methyl-3-phenyl-4-isoxazolyl)-



Description : A small-molecule influenza A nucleoprotein (NP) inhibitor that triggers the aggregation of NP and inhibits its nuclear accumulation; inhibits infection of MDCK cells by viruses influenza A/WSN/33, H3N2 (clinical isolate) and Vietnam/1194/04 (H5N1) with EC₅₀ of 0.069 uM, 0.16 uM and 0.33 uM in PRA, respectively; protects mice challenged with lethal doses of avian influenza A H5N1; also targets cytoplasmic trafficking of viral ribonucleoprotein-Rab11 complexes in influenza A virus infection. Influenza Preclinical

Pathway : Microbiology/Virology

Target : Influenza Virus

Receptor : Influenza Virus

Solubility : DMSO: 28.66 mg/mL (Need ultrasonic)

SMILES : O=C(N1CCN(C2=CC=C([N+](O-)=O)C=C2Cl)CC1)C3=C(C)ON=C3C4=CC=CC=C4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kao RY, et al. Nat Biotechnol. 2010 Jun;28(6):600-5. | 2. Amorim MJ, et al. J Virol. 2013 Apr;87(8):4694-703. | 3. Su CY, et al. Proc Natl Acad Sci U S A. 2010 Nov 9;107(45):19151-6.