
Product Data Sheet

Product Name: PP7
Cat. No.: GC36953

Chemical Properties

Cas. No. 433238-84-7

SMILES C1C=CC=C(N2C(/C(C(N2)=O)=C/C3=CC=C(OCC)C=C3)=O)C=C1Cl

Formula $C_{18}H_{14}Cl_2N_2O_3$ M.Wt 377.22

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

PP7 is a potent PB1-PB2 interaction inhibitor with an IC₅₀ of 8.6 μM, and their inhibition against viral polymerase activity (IC₅₀=9.5 μM). PP7 shows antiviral activities against influenza A virus (IAV), including A(H1N1)pdm09 (EC₅₀=1.4 μM), A(H7N9) and A(H9N2) subtypes[1]. IC₅₀: 8.6 μM (PB1-PB2 interaction)[1]

[1]. Yuan S, et al. Identification of a novel small-molecule compound targeting the influenza A virus polymerase PB1-PB2 interface. Antiviral Res. 2017 Jan;137:58-66.

Caution: Product has not been fully validated for medical applications. For research use only.

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