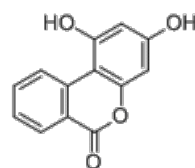


Product Name : D715-2441
Synonyms : D 715-2441
Cat No. : M14943
CAS Number : 54245-10-2
Molecular Formula : C₁₃H₈O₄
Formula Weight : 228.20
Chemical Name : 1,3-dihydroxy-6H-benzo[c]chromen-6-one



Description : D715-2441 (D 715-2441) is a novel antiviral compound that interferes with the conserved cap-binding domain of the PB2 protein, exhibits potent antiviral activity against influenza A viruses (IAVs) with IC₅₀ of 1.7-4.4 μM; does not inhibit both viral entry and release, disrupts early influenza A virus replication, reduces vRNP activity and affects PB2 protein localization; shows binding affinity to influenza PB2cap protein with K_d of 0.118 μM; demonstrates a remarkable synergistic antiviral effect (FICI value of 0.40) combined with zanamivir.

Pathway : Microbiology/Virology

Target : Influenza Virus

Receptor : Influenza Virus

Solubility : —

SMILES : C1=CC=C2C(=C1)C3=C(C=C(C=C3OC2=O)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Liu T, et al. Mol Pharm. 2018 Aug 23. doi: 10.1021/acs.molpharmaceut.8b00531.