

Product Name : FGI-103

Synonyms : FGI103

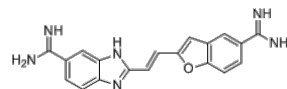
Cat No. : M16519

CAS Number : 907169-69-1

Molecular Formula : C₁₉H₁₆N₆O

Formula Weight : 344.37

Chemical Name : 2-[(E)-2-(5-Carbamimidoyl-1-benzofuran-2-yl)vinyl]-1H-benzimidazol-6-carboximidamid



Description : FGI-103 is a small-molecule inhibitor of filovirus that exhibits potent antiviral activity against of EBOV (EC₉₀=330 nM, ZEBOV) and MARV (EC₅₀=2.5 uM, MARV-Ci67); protects mice against a lethal challenge with a mouse-adapted strain of either ZEBOV or MARV-Ravn as a single intraperitoneal dose of 10 mg/kg; reduces viremia and the viral burden in kidney, liver, and spleen tissues in a murine model of ZEBOV infection.

Pathway : Microbiology/Virology

Target : Filovirus

Receptor : Filovirus

Solubility : —

SMILES : C1=CC2=C(C(=C1C(=N)N)NC(=N2)C=CC3=CC4=C(O3)C=CC(=C4)C(=N)N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Warren TK, et al. Antimicrob Agents Chemother. 2010 May;54(5):2152-9.| 2. Haque A, et al. Antimicrob Agents Chemother. 2015 Oct;59(10):5892-902.| 3. De Clercq E. Med Res Rev. 2013 Nov;33(6):1249-77.