

Product Data Sheet

Product Name: KIN1400
Cat. No.: GC44005

Chemical Properties

Cas. No. 446826-86-4

SMILES FC(F)OC(C=C1)=CC=C1C(NC2=NC3=C(C=CC=C3)S2)C4=C(O)C(N=CC=C5)=C5C=C4

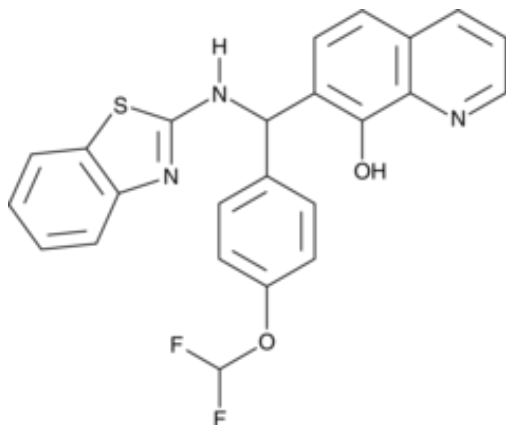
Formula C₂₄H₁₇F₂N₃O₂S M.Wt 449.5

Solubility DMF: 30 mg/mL, DMSO: 30 mg/mL, DMSO: PBS (pH 7.2) (1:2): 0.3 mg/mL, Ethanol: 2 mg/mL
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

KIN1400 is a small molecule activator of the RIG-1-like receptor (RLR) pathway that has antiviral activity. It induces expression of the innate immune genes RIG-1, MDA5, IFIT1, IFIT2, IFITM1, OAS3, and Mx1 in THP-1 cells stimulated with phorbol 12-myristate 13-acetate. KIN1400 (20 µM) reduces West Nile and dengue viral RNA levels in HEK293 and Huh7 cells, respectively. It also inhibits hepatitis C virus (HCV) replication in a concentration-dependent manner in Huh7 cells.

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

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