

Product Data Sheet

Product Name: Claficapavir

Cat. No.: GC66467

Chemical Properties

Cas. No. 2055732-24-4

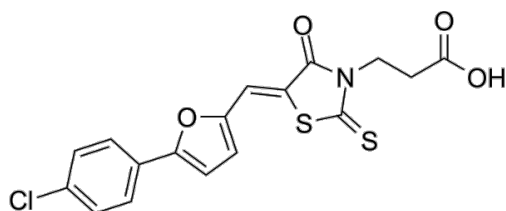
Formula $C_{17}H_{12}ClNO_4S_2$ M.Wt 393.86

Solubility DMSO : 200 mg/mL (507.79 mM; ultrasonic and warming and heat to 40°C) 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

Claficapavir (A1752) is a specific **nucleocapsid protein** (NC) inhibitor with an **IC₅₀** around 1 μM. Claficapavir strongly binds the HIV-1 NC ($K_d=20$ nM) thereby inhibiting the chaperone properties of NC and leading to good antiviral activity against the HIV-1^[1].

Claficapavir binds directly to HIV-1 NC, thereby inhibiting specific chaperone functions of NC including Psi RNA dimerization and complementary trans-activation response element (cTAR) DNA

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

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destabilization, and it also disrupts the proper Gag processing^[1].

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