

Product Data Sheet

Product Name: Lenacapavir-d 5

Cat. No.: GC79859

Chemical Properties

Cas. No.

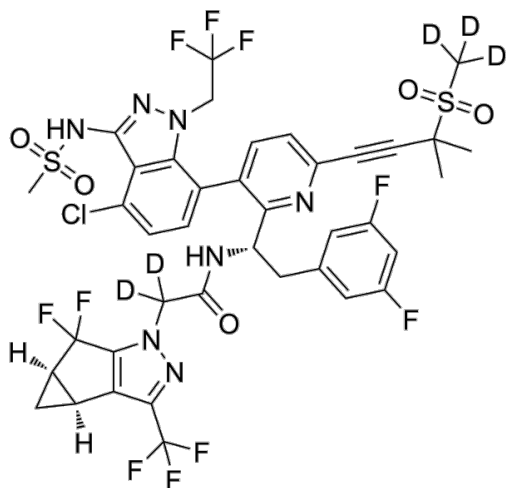
Formula $C_{39}H_{27}D_5ClF_{10}N_7O_5S_2$ M.Wt 973.31

Solubility 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

Lenacapavir -d 5 (GS-6207-d 5) is the deuterium labeled Lenacapavir. Lenacapavir (GS-6207) is an HIV-1 capsid inhibitor. Lenacapavir binds to the interface between capsid hexamers and CA monomers, disrupts capsid assembly and viral maturation, inhibits nuclear translocation of HIV-1 DNA, interferes with CA-mediated protein-protein interactions, reduces the formation of 2-LTR circles and pre-integration proviruses, induces aberrant capsids, and decreases the production of mature HIV-1. Lenacapavir exhibits activity against a variety of HIV-1 subtypes and clinical isolates. Lenacapavir is applicable to research related to human immunodeficiency virus type 1 (HIV-1) infection [1] [2] [3].

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

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In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

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