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## Product Data Sheet

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Product Name: HIV-1 integrase inhibitor 4

Cat. No.: GC36235

### Chemical Properties

Cas. No. 1638504-66-1

SMILES NC(C1=CC(CCS(=O)(C2=CC=CC=C2)=O)=CN=C1N3O)=C(C(NCC4=CC=C(F)C=C4F)=O)C3=O

Formula C<sub>24</sub>H<sub>20</sub>F<sub>2</sub>N<sub>4</sub>O<sub>5</sub>S M.Wt 514.5

Solubility Soluble in DMSO 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

HIV-1 integrase inhibitor 4 is a HIV-1 integrase strand transfer (INST) inhibitor with an IC<sub>50</sub> of 3.7 nM. IC<sub>50</sub>: 3.7 nM (INST)[1]

HIV-1 integrase inhibitor 4 (compound 4f) is a HIV-1 integrase strand transfer (INST) inhibitor with an IC<sub>50</sub> of 3.7 nM. HIV-1 integrase inhibitor 4 shows potent activity against recombinant HIV IN in biochemical assays and good efficacy in assays done in cell culture against a broad panel of viral mutants carrying the major RAL and DTG IN resistance mutations[1].

[1]. Zhao XZ, et al. HIV-1 Integrase Strand Transfer Inhibitors with Reduced Susceptibility to Drug Resistant MutantIntegrases. ACS Chem Biol. 2016 Apr 15;11(4):1074-81.

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

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