

Product Name : HIV-1 inhibitor 18A

Synonyms : Compound 18A

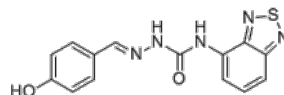
Cat No. : M14111

CAS Number : 331261-50-8

Molecular Formula : C₁₄H₁₁N₅O₂S

Formula Weight : 313.33

Chemical Name : N-2,1,3-Benzothiadiazol-4-yl-2-[(4-hydroxyphenyl)methylene]-hydrazinecarboxamide



Description : HIV-1 inhibitor 18A is a novel broad HIV-1 inhibitor that blocks envelope glycoprotein transitions critical for entry, specifically inhibits the entry of a wide range of HIV-1 isolates with mean IC₅₀ of 6.4 μM; inhibits the CD4-induced disruption of quaternary structures at the trimer apex and the exposure of the gp41 HR1 coiled coil, does not interfere with CD4 or CCR5 binding.

Pathway : Microbiology/Virology

Target : HIV

Receptor : HIV

Solubility : —

SMILES : O=C(N/N=C/C1=CC=C(O)C=C1)NC2=CC=CC3=NSN=C32

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Herschhorn A, et al. Nat Chem Biol. 2014 Oct;10(10):845-52. 2. Berinyuy E, et al. J Recept Signal Transduct Res. 2016;36(2):119-29.