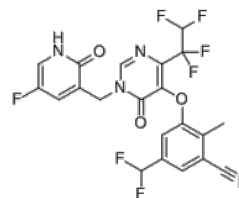


Product Name : TACK molecule Pyr01
Cat. No. : PC-20150
CAS No. : 2560576-15-8
Molecular Formula : C₂₁H₁₃F₇N₄O₃
Molecular Weight : 502.35
Target : HIV
Solubility : 10 mM in DMSO



Biological Activity

TACK molecule Pyr01 is a potent targeted activator of cell kill (TACK) small molecule, binds to HIV-1 reverse transcriptase-p66 domain of monomeric **Gag-Pol**.

Pyr01 exhibits potent antiviral activity and selectively eliminate infected CD4⁺ T cells isolated from people living with HIV-1.

Pyr01 act as allosteric modulator to accelerate dimerization, resulting in HIV-1⁺ cell death through premature intracellular viral protease activation.

References

Carl J Balibar, et al. *Sci Transl Med*. 2023 Feb 22;15(684):eabn2038.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com