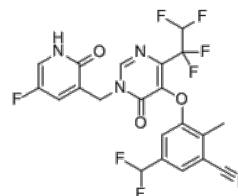


**Product Name** : TACK molecule Pyr01  
**Cat. No.** : PC-20150  
**CAS No.** : 2560576-15-8  
**Molecular Formula** : C<sub>21</sub>H<sub>13</sub>F<sub>7</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 502.35  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## 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