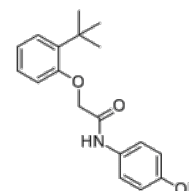


**Product Name** : NAMPT activator (NAT)  
**Cat. No.** : PC-38439  
**CAS No.** : 831243-31-3  
**Molecular Formula** : C<sub>18</sub>H<sub>21</sub>NO<sub>3</sub>  
**Molecular Weight** : 299.370  
**Target** : NAMPT  
**Solubility** : 10 mM in DMSO



## Biological Activity

NAMPT activator (NAT) is a potent, small molecule activator of nicotinamide phosphoribosyltransferase (**NAMPT**) with ITC KD of 500 nM.

NAMPT activator (NAT) markedly increased the catalytic activity (V<sub>max</sub>) of NAMPT with higher Michaelis constants (K<sub>m</sub>) for both substrates, NAM, and PRPP.

The stoichiometry analysis revealed that NAT bound to NAMPT at a 1:1 ratio, NAT may function as a reversible activator during the kinetic assay, and has no effect on NMNAT1 enzyme activity.

## References

Hong Yao, et al. *Cell Research* (2022) 0:1-15.

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

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