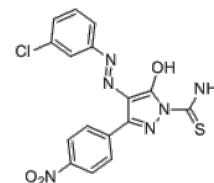


**Product Name** : Nef-IN-B9  
**Cat. No.** : PC-62456  
**CAS No.** : 1473404-51-1  
**Molecular Formula** : C<sub>16</sub>H<sub>11</sub>ClN<sub>6</sub>O<sub>3</sub>S  
**Molecular Weight** : 402.813  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nef-IN-B9 (Hck inhibitor B9) is a small molecule that blocks **Nef-dependent Hck** activity with IC<sub>50</sub> of 2.8 μM, while the activity against Hck alone is >20 μM.

Nef-IN-B9 (Hck inhibitor B9) also shows weak activity against other Src-family members with IC<sub>50</sub> of >20 μM for c-Src, Lck and Lyn.

Nef-IN-B9 (Hck inhibitor B9) blocks wild-type HIV-1 replication with IC<sub>50</sub> of 100-300 nM, and blocks Nef-mediated SFK activation in HIV-infected cells.

Nef-IN-B9 (Hck inhibitor B9) binds directly to Nef with K<sub>d</sub> of 1.79 nM.

## References

Emert-Sedlak LA, et al. *Chem Biol.* 2013 Jan 24;20(1):82-91.

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

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