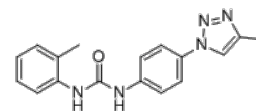


**Product Name** : DDX3-IN-16d  
**Cat. No.** : PC-70309  
**CAS No.** : 1919828-83-3  
**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>N<sub>5</sub>O  
**Molecular Weight** : 307.357  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## Biological Activity

DDX3-IN-16d is a small molecule inhibitor (IC<sub>50</sub>=0.3 μM) of DEAD-box polypeptide 3 (**DDX3**), a human host factor required for the replication of several DNA and RNA viruses.

DDX3-IN-16d shows a broad spectrum of antiviral activity with EC<sub>50</sub> of 0.97-16.5 μM (HIV, HCV, DENV, and WNV), retains full activity against HIV drug-resistant strains (EC<sub>50</sub><1 μM).

DDX3-IN-16d exhibits a good safety profile and bioavailability in rats.

## References

Brai A, et al. *Proc Natl Acad Sci U S A*. 2016 May 10;113(19):5388-93.

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

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