

Product Name : DDX3-IN-16d

Synonyms : —

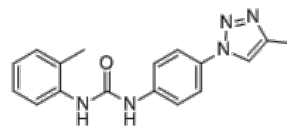
Cat No. : M13009

CAS Number : 1919828-83-3

Molecular Formula : C₁₇H₁₇N₅O

Formula Weight : 307.36

Chemical Name : 1-(4-(4-Methyl-1H-1,2,3-triazol-1-yl)phenyl)-3-o-tolylurea



Description : A small molecule inhibitor (IC₅₀=0.3 uM) of DEAD-box polypeptide 3 (DDX3), a human host factor required for the replication of several DNA and RNA viruses; shows a broad spectrum of antiviral activity with EC₅₀ of 0.97-16.5 uM (HIV, HCV, DENV, and WNV), retains full activity against HIV drug-resistant strains (EC₅₀<1 uM); exhibits a good safety profile and bioavailability in rats.

Pathway : Microbiology/Virology

Target : HIV

Receptor : HIV

Solubility : DMSO : 125 mg/mL 406.70 mM; H₂O : < 0.1 mg/mL

SMILES : O=C(NC1=CC=C(N2N=NC(C)=C2)C=C1)NC3=CC=CC=C3C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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