

## Product Data Sheet

Product Name: DDX3-IN-1

Cat. No.: GC35823

### Chemical Properties

Cas. No. 1919828-83-3

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

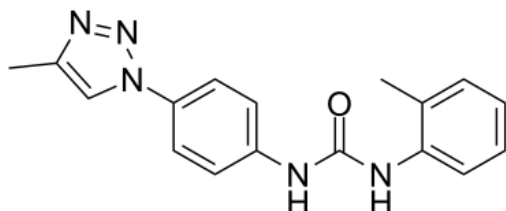
Formula  $C_{17}H_{17}N_5O$  M.Wt 307.35

Solubility DMSO: 125 mg/mL (406.70 mM); Storage Store at -20°C  
Water: < 0.1 mg/mL (insoluble)

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

DDX3-IN-1 (Compound 16f) is a DEAD-box polypeptide 3 (DDX3) inhibitor with CC50s of 50 and 36 μM for HIV and HCV, respectively. Antiviral activity[1].

[1]. Brai A, et al. Human DDX3 protein is a valuable target to develop broad spectrum antiviral agents. Proc Natl Acad Sci U S A. 2016 May 10;113(19):5388-93.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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