

# USP7 / USP47 inhibitor

Catalog No: tcsc2181



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1247825-37-1

**Formula:**

$C_{18}H_{11}Cl_2N_3O_3S_3$

**Pathway:**

Cell Cycle/DNA Damage

**Target:**

Deubiquitinase

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 44$  mg/mL (90.83 mM)

**Observed Molecular Weight:**

484.4

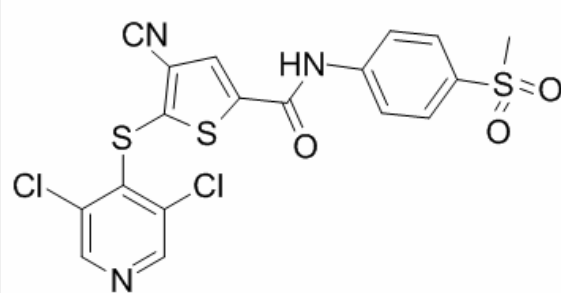
## Product Description

USP7/USP47 inhibitor is a selective **ubiquitin-specific protease 7/47 (USP7/USP47)** inhibitor, with **EC<sub>50</sub>**s of 0.42  $\mu$ M and 1.0  $\mu$ M,

respectively.

IC50 & Target: EC50: 0.42  $\mu$ M (USP7), 1.0  $\mu$ M (USP47)<sup>[1]</sup>

***In Vitro:*** USP7/USP47 inhibitor (compound 14) is a selective inhibitor of USP7/USP47 with EC<sub>50</sub>s of 0.42  $\mu$ M and 1  $\mu$ M, respectively. USP7/USP47 inhibitor does not inhibit caspase 3, calpain 1, 20S proteasome, and a panel of representative USPs (USP2, USP5, USP8, USP21, and USP28; EC<sub>50</sub> > 31.6  $\mu$ M). USP7/USP47 inhibitor inhibits the growth of HCT-116 cells with an EC<sub>50</sub> of 7.6  $\mu$ M<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!