

## Product Data Sheet

Product Name: WRG-28  
Cat. No.: GC38206

### Chemical Properties

Cas. No. 1913291-02-7

SMILES O=S(C1=CC=C(COC2=CC(OC3=CC(C=CC3=N4)=O)=C4C=C2)C=C1)(NCC)=O

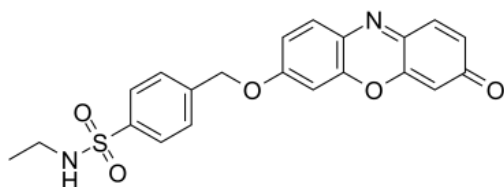
Formula  $C_{21}H_{18}N_2O_5S$  M.Wt 410.44

Solubility DMSO: 15.62 mg/mL (38.06 mM) Storage Store at -20°C

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

WRG-28 is a selective, extracellularly acting DDR2 allosteric inhibitor with an IC<sub>50</sub> of 230 nM. WRG-28 uniquely inhibits receptor-ligand interactions via allosteric modulation of the receptor. WRG-28 inhibits tumor invasion and migration, as well as tumor-supporting roles of the stroma, and inhibits metastatic breast tumor cell colonization in the lungs by targeting DDR2[1].

[1]. Grither WR, et al. Inhibition of tumor-microenvironment interaction and tumor invasion by small-molecule allosteric inhibitor of DDR2 extracellular domain. Proc Natl Acad Sci U S A. 2018 Aug

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

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14;115(33):E7786-E7794.

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