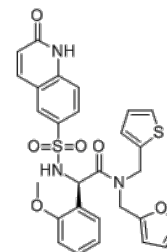


**Product Name** : OSMI-1  
**Cat. No.** : PC-62387  
**CAS No.** : 1681056-61-0  
**Molecular Formula** : C<sub>28</sub>H<sub>25</sub>N<sub>3</sub>O<sub>6</sub>S<sub>2</sub>  
**Molecular Weight** : 563.64  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

OSMI-1 is a cell-permeable, small molecule **O-GlcNAc transferase (OGT)** inhibitor with IC<sub>50</sub> of 2.7 μM. OSMI-1 inhibits protein O-GlcNAcylation in several mammalian cell lines without qualitatively altering cell surface N- or O-linked glycans. OSMI-1 also significantly decreases HSV replication.

## References

Ortiz-Meoz RF, et al. *ACS Chem Biol.* 2015 Jun 19;10(6):1392-7.  
Angelova M, et al. *J Virol.* 2015 Aug;89(16):8474-83.

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

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