

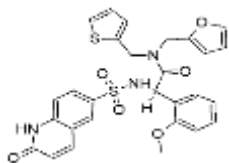
**PRODUCT: OSMI-1**

**ALTERNATE NAMES:**  $\alpha$ R- $\alpha$ -[[[(1,2-Dihydro-2-oxo-6-quinoliny]sulfonyl]amino]-N-(2-furanylmethyl)-2-methoxy-N-(2-thienylmethyl)-benzeneacetamide, OSMI 1

**CATALOG NUMBER:** B1916-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**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

**CAS NUMBER:** 1681056-61-0

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~20 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** OSMI-1 is a potent, cell-permeable, O-GlcNAc transferase (OGT) inhibitor. Inhibits protein O-GlcNAcylation in several mammalian cell lines without qualitatively altering cell surface N- or O-linked glycans.

**REFERENCES:** Ortiz-Meoz, R.F., *et al.* (2015). *ACS Chem. Biol.* **10**, 1392-1399.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Glucose-1 Phosphate Colorimetric Assay Kit (**K697**)

UGT Activity Assay/Ligand Screening Kit (**k692**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**