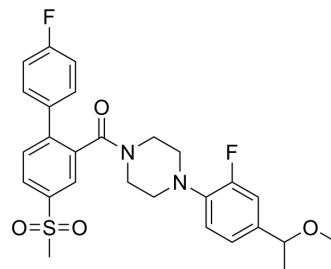


## GSK494581A

Cat. No.:	HY-111162
CAS No.:	909416-67-7
Molecular Formula:	C <sub>27</sub> H <sub>28</sub> F <sub>2</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	514.58
Target:	GPR55; GlyT
Pathway:	GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	GSK494581A is a specific ligand for human GPR55 (pEC <sub>50</sub> of 6.8) and also acts as an inhibitor of glycine transporter subtype 1 (GlyT1). GSK494581A may regulate pain signaling, bone morphogenesis, and vascular endothelial cell formation by binding to GPR55 <sup>[1]</sup> .
IC <sub>50</sub> & Target	rGlyT1

### REFERENCES

[1]. Brown AJ, et al. Pharmacology of GPR55 in yeast and identification of GSK494581A as a mixed-activity glycine transporter subtype 1 inhibitor and GPR55 agonist. J Pharmacol Exp Ther. 2011 Apr;337(1):236-46.

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

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