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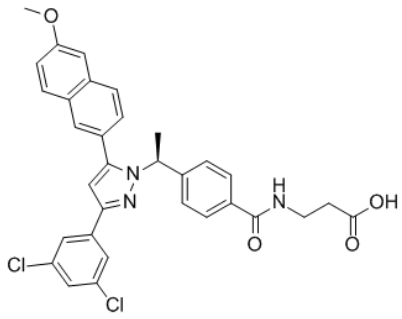
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	MK-0893
Cat. No.	:	PC-45831
CAS No.	:	870823-12-4
Molecular Formula	:	$C_{32}H_{27}Cl_2N_3O_4$
Molecular Weight	:	588.4805
Target	:	Glucagon Receptor
Solubility	:	10 mM in DMSO



Biological Activity

A potent, selective, reversible and competitive antagonist of glucagon receptor with high binding affinity (IC(=50=6.6 nM) and functional cAMP activity (IC50=15.7 nM); displays selectivity for glucagon receptor relative to other family B GPCRs, IC50 of 1020 nM for GIPR, 9200 nM for PAC1, and >10000 nM for GLP-1R, VPAC1, and VPAC2; blunts glucagon-induced glucose elevation in hGCGR mice and rhesus monkeys, also lowers ambient glucose levels in both acute and chronic mouse models.
Diabetes
Phase 2 Discontinued

References

Xiong Y, et al. J Med Chem. 2012 Jul 12;55(13):6137-48.

Guan HP, et al. J Lipid Res. 2015 Nov;56(11):2183-95.

Jazayeri A, et al. Nature. 2016 May 12;533(7602):274-7.

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