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<b>Product Name</b>	: S961	GSLDESFYDWFERQLGGGSGGSLEEWAQIQ CEVWGRGCPSY (Disulfide bridge: Cys33-Cys40)
<b>Cat. No.</b>	: PC-27028	
<b>CAS No.</b>	: 1083433-49-1	
<b>Molecular Formula</b>	: C <sub>211</sub> H <sub>295</sub> N <sub>55</sub> O <sub>71</sub> S <sub>2</sub>	
<b>Molecular Weight</b>	: 4802.12	
<b>Target</b>	: Insulin Receptor	
<b>Solubility</b>	: 10 mM in DMSO	

## Biological Activity

S961 is a selective, high-affinity peptide antagonist of **insulin receptor** (IR) with IC<sub>50</sub> of 0.048 nM and 0.027 nM for human insulin receptor HIR-A and HIR-B respectively, >1000-fold selectivity over human insulin-like growth factor I receptor (IGF-IR).

S961 also shows high-affinity to Rat IR and Pig IR with IC<sub>50</sub>s of 0.056 nM and 0.084 nM in PEG-assay, respectively.

## References

Schäffer L, et al. *Biochem Biophys Res Commun*. 2008 Nov 14;376(2):380-3.

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

E-mail: tech@probechem.com

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