

Product Data Sheet

S961 TFA

Cat. No.: HY-P2093A

Molecular Weight: 4918.15

Sequence: Gly-Ser-Leu-Asp-Glu-Ser-Phe-Tyr-Asp-Trp-Phe-Glu-Arg-Gln-Leu-Gly-Gly-Gly-Ser-Gly-G

ly-Ser-Ser-Leu-Glu-Glu-Glu-Trp-Ala-Gln-Ile-Gln-Cys-Glu-Val-Trp-Gly-Arg-Gly-Cys-Pro-S

er-Tyr (Disulfide bridge: Cys33-Cys40)

Sequence Shortening: GSLDESFYDWFERQLGGGSGGSSLEEEWAQIQCEVWGRGCPSY (Disulfide bridge: Cys33-

Cys40)

Target: Insulin Receptor

Pathway: Protein Tyrosine Kinase/RTK

Storage: Sealed storage, away from moisture and light

Powder -80°C 2 years -20°C 1 year

* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture

and light)

SOLVENT & SOLUBILITY

In Vitro

 $\rm H_2O$: 6.5 mg/mL (1.32 mM; ultrasonic and adjust pH to 12 with NaOH)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	0.2033 mL	1.0166 mL	2.0333 mL
	5 mM			
	10 mM			

Please refer to the solubility information to select the appropriate solvent.

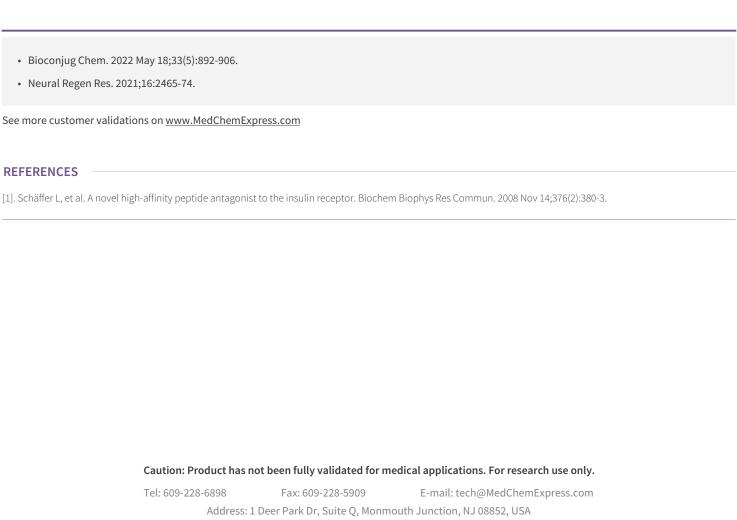
BIOLOGICAL ACTIVITY

Description	$S961TFA\ is\ an\ high-affinity\ and\ selective\ insulin\ receptor\ (IR)\ antagonist\ with\ IC_{50}s\ of\ 0.048,\ 0.027,\ and\ 630\ nM\ for\ HIR-A,$
	$\hbox{HIR-B, and human insulin-like growth factor I receptor (HIGF-IR) in SPA-assay, respectively} {}^{[1]}.$

In Vitro S961 also shows high-affinity to Rat IR and Pig IR with IC₅₀s of 0.056 nM and 0.084 nM in PEG-assay, respectively^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION



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