

Product Name : DX-600
Cat. No. : PC-38238
CAS No. : 478188-26-0
Molecular Formula : C₁₄₁H₁₈₅N₃₅O₄₀S₂.C₂HF₃O₂
Molecular Weight : 3188.37
Target : SARS-CoV-2 Inhibitors
Solubility : 10 mM in H₂O (31.8 mg/mL)

Ac-Gly-Asp-Tyr-Ser-His-Cys-Ser-Pro-Leu-Arg-Tyr-Tyr-Pro-Trp-Trp-Lys-Cys-Thr-Tyr-Pro-Asp-Pro-Glu-Gly-Gly-Gly-NH₂ trifluoroacetate salt (Disulfide bond)

Biological Activity

DX-600 (DX600) is a potent, specific peptide inhibitor of Angiotensin-converting enzyme 2 (**ACE2**) with K_i of 2.8 nM. DX-600 exhibits non-competitive type of inhibition and not inhibit ACE activity. DX-600 is a useful tool compound in elucidation of ACE2 in vivo function, as well as the recent SARS CoV-2 viral entry via huamn ACE2.

References

Huang L, et al. *J Biol Chem*. 2003 May 2;278(18):15532-40.
Li N, et al. *Am J Physiol Renal Physiol*. 2005 Feb;288(2):F353-62.

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

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