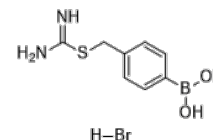


Product Name : TMPRSS2 inhibitor BC-11 hydrobromide
Cat. No. : PC-23483
CAS No. : 443776-49-6
Molecular Formula : C₈H₁₂BBrN₂O₂S
Molecular Weight : 290.97
Target : SARS-CoV-2 Inhibitors
Solubility : 10 mM in DMSO



Biological Activity

TMPRSS2 inhibitor BC-11 hydrobromide is a specific, covalent transmembrane protease serine 2 (TMPRSS2) inhibitor with IC₅₀ of 1.44 μM in vitro TMPRSS2 enzymatic assay.

BC-11 is inactive against three proteases (furin, CATSB, and CATSL).

BC-11 showed modest inhibition of SARS-CoV-2 entry with EC₅₀ of 66 μM.

A combination of the direct- and indirect-acting antivirals (BC-11 and AHN 1-055) demonstrated better viral entry inhibition than either compound alone.

References

Moumbock AFA, et al. Arch Pharm (Weinheim). 2022 Oct 31:e2200371.

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

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