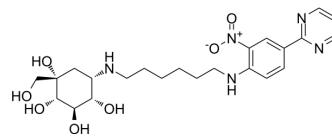


EB-0176

Cat. No.:	HY-145275
CAS No.:	2758314-64-4
Molecular Formula:	C ₂₃ H ₃₃ N ₅ O ₇
Molecular Weight:	491.54
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EB-0176 is a potent inhibitor of ER α -glucosidases (α -Glu) I and II with IC ₅₀ s of 0.6439 and 0.0011 μ M, respectively. EB-0176 is a N-substituted derivative of valioline with broad-spectrum antiviral. EB-0176 has the potential for the research of broad-spectrum agent against the existing and emerging viruses ^[1] .
IC ₅₀ & Target	Glucosidase ^[1] Endoplasmic Reticulum α -Glucosidases I and II inhibitor ^[1]

REFERENCES

[1]. Karade SS, et al. N-Substituted Valiolamine Derivatives as Potent Inhibitors of Endoplasmic Reticulum α -Glucosidases I and II with Antiviral Activity. J Med Chem. 2021;64(24):18010-18024.

Caution: Product has not been fully validated for medical applications. For research use only.

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