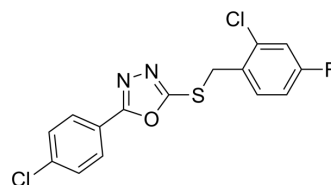


α -Amylase/ α -Glucosidase-IN-7

Cat. No.:	HY-162036
CAS No.:	1038094-94-8
Molecular Formula:	C ₁₅ H ₉ Cl ₂ FN ₂ OS
Molecular Weight:	355.21
Target:	Glucosidase; Amylases; Cholinesterase (ChE)
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α -Amylase/ α -Glucosidase-IN-7 (Compound 3f) is a competitive α -glucosidase and α -amylase enzyme inhibitor with IC ₅₀ values of 18.52 and 20.25 μ M, respectively. α -Amylase/ α -Glucosidase-IN-7 can also effectively inhibit AChE and BChE, with IC ₅₀ values of 9.25 and 10.06 μ M respectively. α -Amylase/ α -Glucosidase-IN-7 can be used in diabetes and Alzheimer's research [1].	
IC₅₀ & Target	AChE 9.25 μ M (IC ₅₀)	BChE 10.06 μ M (IC ₅₀)

REFERENCES

[1]. Fatima B, et al. Multitargeted inhibition of key enzymes associated with diabetes and Alzheimer's disease by 1,3,4-oxadiazole derivatives: Synthesis, in vitro screening, and computational studies. Arch Pharm (Weinheim). 2023 Dec;356(12):e2300384.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA