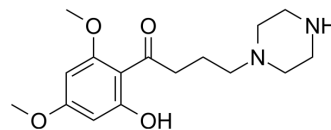


Y13g

Cat. No.:	HY-115910
CAS No.:	2766380-73-6
Molecular Formula:	C ₁₆ H ₂₄ N ₂ O ₄
Molecular Weight:	308.37
Target:	Cholinesterase (ChE); Interleukin Related
Pathway:	Neuronal Signaling; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Y13g is the potent inhibitor of both AChE and IL-6. Interleukin-6 (IL-6) and acetylcholinesterase (AChE) are two important targets implicated in progression of Alzheimer's Disease (AD). Y13g reverses the STZ-induced memory deficit, and shows histopathology similarly as in normal animals ^[1] .	
IC ₅₀ & Target	AChE	IL-6

REFERENCES

[1]. Kaur S, et al. Design, molecular Docking, synthesis and evaluation of xanthoxylin hybrids as dual inhibitors of IL-6 and acetylcholinesterase for Alzheimer's disease. Bioorg Chem. 2022;121:105670.

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

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