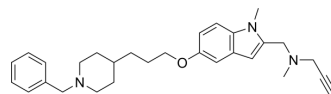


ASS234

Cat. No.:	HY-121072
CAS No.:	1334106-34-1
Molecular Formula:	C ₂₉ H ₃₇ N ₃ O
Molecular Weight:	443.62
Target:	Monoamine Oxidase; Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ASS234 is a potent monoamine oxidase (MAO) inhibitor with IC ₅₀ s of 5.2 nM and 43 nM for MAO-A and MAO-B, respectively. ASS234 also inhibits AChE and BuChE with IC ₅₀ s of 350 nM and 460 nM, respectively ^[1] .			
IC₅₀ & Target	MAO-A 5.2 nM (IC ₅₀)	MAO-B 43 nM (IC ₅₀)	AChE 350 nM (IC ₅₀)	BChE 460 nM (IC ₅₀)

REFERENCES

[1]. Anna Stasiak, et al. Effects of novel monoamine oxidases and cholinesterases targeting compounds on brain neurotransmitters and behavior in rat model of vascular dementia. *Curr Pharm Des.* 2014;20(2):161-71.

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

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