



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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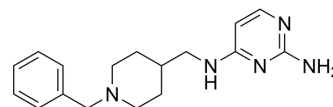
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AChE/BuChE-IN-4

Cat. No.:	HY-155349		
CAS No.:	1997158-25-4		
Molecular Formula:	C ₁₇ H ₂₃ N ₅		
Molecular Weight:	297.4		
Target:	Cholinesterase (ChE)		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (420.31 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3625 mL	16.8124 mL	33.6247 mL
	5 mM		0.6725 mL	3.3625 mL	6.7249 mL
	10 mM		0.3362 mL	1.6812 mL	3.3625 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	AChE/BuChE-IN-4(compound 4a) is orally active and brain-penetrant multitarget-directed AChE/BuChE inhibitor against AChE and BuChE, with the IC ₅₀ of 2.08 and 7.41 μM ^[1] .
IC ₅₀ & Target	2.08 and 7.41 μM ^[1]

REFERENCES

[1]. Conceição RAD, et al. Structure-based design of new N-benzyl-piperidine derivatives as multitarget-directed AChE/BuChE inhibitors for Alzheimer's disease [published online ahead of print, 2023 Oct 5]. J Cell Biochem. 2023;10.1002/jcb.30483.

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

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