



SZABO SCANDIC

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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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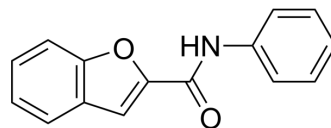
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Aβ42 agonist-1

Cat. No.:	HY-149763
CAS No.:	50635-12-6
Molecular Formula:	C ₁₅ H ₁₁ NO ₂
Molecular Weight:	237.25
Target:	Amyloid-β
Pathway:	Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (526.87 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	4.2150 mL	21.0748 mL	42.1496 mL	
5 mM	0.8430 mL	4.2150 mL	8.4299 mL	
10 mM	0.4215 mL	2.1075 mL	4.2150 mL	

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

BIOLOGICAL ACTIVITY

Description

Aβ42 agonist-1 (compound 7a) is a small molecule compound that can promote Aβ42 aggregation. Aβ42 agonist-1 can interact with Aβ42 oligomers and pentamers to promote nontoxic aggregate self-assembly and rapid fibril formation. Aβ42 agonist-1 prevents Aβ42-induced cytotoxicity in HT22 hippocampal neuronal cells^[1].

IC₅₀ & Target

Aβ42 aggregation^[1]

REFERENCES

[1]. Zhao Y et al. Small Molecules N-Phenylbenzofuran-2-carboxamide and N-Phenylbenzo[b]thiophene-2-carboxamide Promote Beta-Amyloid (Aβ42) Aggregation and Mitigate Neurotoxicity. ACS Chem Neurosci. 2023 Nov 16.

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

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