



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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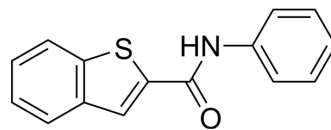
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A β 42 agonist-2

Cat. No.:	HY-149764
CAS No.:	6314-40-5
Molecular Formula:	C ₁₅ H ₁₁ NOS
Molecular Weight:	253.32
Target:	Amyloid- β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (493.45 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.9476 mL	19.7379 mL	39.4758 mL	
5 mM	0.7895 mL	3.9476 mL	7.8952 mL	
10 mM	0.3948 mL	1.9738 mL	3.9476 mL	

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

BIOLOGICAL ACTIVITY

Description

A β 42 agonist-2 (compound 7b) is a small molecule compound that can promote A β 42 aggregation. A β 42 agonist-2 can interact with A β 42 oligomers and pentamers to promote nontoxic aggregate self-assembly and rapid fibril formation. A β 42 agonist-2 prevents A β 42-induced cytotoxicity in HT22 hippocampal neuronal cells^[1].

IC₅₀ & Target

A β 42 aggregation^[1]

REFERENCES

[1]. Zhao Y et al. Small Molecules N-Phenylbenzofuran-2-carboxamide and N-Phenylbenzo[b]thiophene-2-carboxamide Promote Beta-Amyloid (A β 42) 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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