



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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

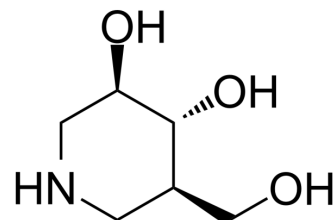
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Afegostat

Cat. No.:	HY-14829	
CAS No.:	169105-89-9	
Molecular Formula:	C ₆ H ₁₃ NO ₃	
Molecular Weight:	147.17	
Target:	Glucosidase	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (33.97 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.7949 mL	33.9743 mL	67.9486 mL
	5 mM	1.3590 mL	6.7949 mL	13.5897 mL
	10 mM	0.6795 mL	3.3974 mL	6.7949 mL

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

BIOLOGICAL ACTIVITY

Description

Afegostat is a pharmacological chaperone, which specifically and reversibly binds acid-β-glucosidase (GCase) in the endoplasmic reticulum (ER) with high affinity^[1].

IC₅₀ & Target

GCase^[1]

In Vivo

Afegostat (AT2101) increases GCase activity in brain, liver, and spleen. Afegostat (100 mg/kg) administrates orally for 4 months to Thy1-aSyn mice improved motor and nonmotor function, abolishes microglial inflammatory response in the substantia nigra, reduces α-synuclein immunoreactivity in nigral dopaminergic neurons, and reduces the number of small α-synuclein aggregates, while increasing the number of large α-synuclein aggregates^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Richter F, et al. A GCase chaperone improves motor function in a mouse model of synucleinopathy. *Neurotherapeutics*. 2014 Oct;11(4):840-56.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA