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

Tafamidis meglumine

Cat. No.: HY-14852A

CAS No.: 951395-08-7

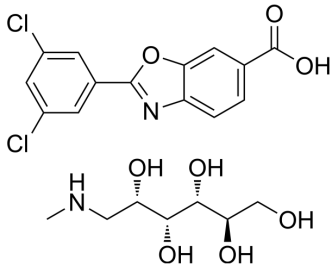
Molecular Formula: $C_{21}H_{24}Cl_2N_2O_8$

Molecular Weight: 503.33

Target: Transthyretin (TTR)

Pathway: Neuronal Signaling

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (24.83 mM; Need ultrasonic)
H_2O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.9868 mL	9.9338 mL	19.8677 mL
5 mM	0.3974 mL	1.9868 mL	3.9735 mL
10 mM	0.1987 mL	0.9934 mL	1.9868 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1.25 mg/mL (2.48 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.25 mg/mL (2.48 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1.25 mg/mL (2.48 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tafamidis meglumine (Fx-1006A) is a potent and selective transthyretin (TTR) stabilizer, shows comparable potency and efficacy to the mutumant homotetramers V30M-TTR, V122I-TTR and wild type WT-TTR, with EC_{50}s of 2.7-3.2 μM. Tafamidis meglumine inhibits amyloidogenesis[1].

IC_{50} & Target

EC50: 2.7-3.2 μM (TTR)[1]

In Vitro

Tafamidis binds selectively and with negative cooperativity (K_ds -2 nM and -200 nM) to the two normally unoccupied thyroxine-binding sites of the tetramer, and kinetically stabilizes TTR[1].

Tafamidis (0-7.2 μM) dose-dependently inhibits WT-TTR amyloidogenesis after treatment for 72 hours at a pH of 4.4-4.5[1].

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

CUSTOMER VALIDATION

- J Med Chem. 2021 Sep 21.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Bulawa CE, et al. Tafamidis, a potent and selective transthyretin kinetic stabilizer that inhibits the amyloid cascade. Proc Natl Acad Sci U S A. 2012 Jun 12;109(24):9629-34.

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