

Catalog Number: CM06818

产品信息

Catalog Number:
CM06818

CAS号:
594839-88-0

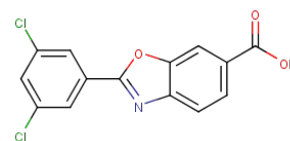
分子式:
 $C_{14}H_7Cl_2NO_3$

主要靶点:
Others

主要通路:
其他

分子量:
308.12

溶解度:
Ethanol:2 mg/mL,DMSO:10
mg/mL



靶点活性

V30M and V122I mutant TTR amyloidogenic homotetramers: 2.7-3.2 μ M (EC50)

描述

Tafamidis is a kinetic stabilizer of transthyretin (TTR) that prevents amyloidogenesis by wild-type and mutant TTRs. It binds to TTR with negative cooperativity (Kd1: 3 nM; Kd2: 278 nM) to stabilize the TTR dimer-dimer interface and inhibit tetrameric dissociation. Tafamidis stabilizes wild-type and clinically significant V30M and V122I mutant TTR amyloidogenic homotetramers (EC50s: 2.7-3.2 μ M) under fibril-promoting, denaturing, and physiological conditions in vitro. It stabilizes TTR heterotetramers containing wild-type and mutant subunits ex vivo in human plasma derived from patients carrying V30M or V122I mutations when used at a concentration of 7.2 μ M. Formulations containing tafamidis have been used for the treatment of familial amyloid polyneuropathy.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years