Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Tafamidis

Catalog No: tcsc2821

Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
594839-88-0

Formula:
$C_{14}H_7Cl_2NO_3$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 54 mg/mL (175.26 mM)

Alternative Names:
Fx-1006A

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Observed Molecular Weight:
308.12

Product Description

Tafamidis(Fx1006A) is a potent and selective transthyretin kinetic stabilizer that inhibits the amyloid cascade.

Target: Others

Tafamidis is a drug for the amelioration of transthyretin-related hereditary amyloidosis.Tafamidis functions by kinetic stabilization of the correctly folded tetrameric form of the transthyretin (TTR) protein. Tafamidis binds selectively and with negative cooperativity (K(d)s ~2 nM and ~200 nM) to the two normally unoccupied thyroxine-binding sites of the tetramer, and kinetically stabilizes TTR. Patient-derived amyloidogenic variants of TTR, including kinetically and thermodynamically less stable mutants, are also stabilized by tafamidis binding. The crystal structure of tafamidis-bound TTR suggests that binding stabilizes the weaker dimer-dimer interface against dissociation, the rate-limiting step of amyloidogenesis [1].