

Tafamidis, Transthyretin stabilizer

Catalog	Unit
TBI3743-5MG	5 mg
TBI3743-25MG	25 mg

Product Details

Formal Name: 2-(3,5-Dichlorophenyl)-6-benzoxazolecarboxylic acid

Alternate Names: PF-06291826

Molecular Formula: C₁₄H₇Cl₂NO₃

Formula Weight: 308.10

CAS Number: 594839-88-0

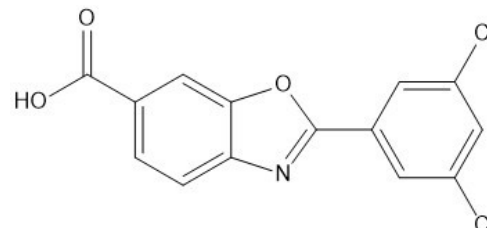
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 20 mg/ml

Storage: -20°C

Stability: ≥ 2 years.



Applications

Transthyretin stabilizer

Functions

Potent and selective transthyretin (TTR) kinetic stabilizer. It binds selectively and with negative cooperativity to the two normally unoccupied thyroxine binding sites of the TTR tetramer ($K_d = \sim 2$ and ~ 200 nM). Stabilizes wild-type and mutant TTR under varying conditions in vitro ($EC_{50} = 2.7-3.2$ μ M). Clinically useful for the treatment of familial amyloid polyneuropathy and TTR-related cardiomyopathy.

Application Procedures

First dissolved in DMSO up to 20 mg/ml, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.