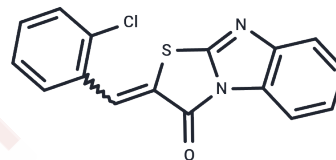


WT-TTR inhibitor 1

Chemical Properties

CAS No. :	23983-05-3
Formula:	C ₁₆ H ₉ ClN ₂ O ₂ S
Molecular Weight:	312.77
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	WT-TTR inhibitor 1 is a potent wild-type transthyretin (WT-TTR) stabilizer. It prevents TTR dissociation and amyloidogenesis by occupying the thyroxine-binding sites, used for amyloid polyneuropathy research.
Targets(IC50)	Others
In vitro	WT-TTR inhibitor 1 (Compound 21) is a biphenyl ether that kinetically stabilizes the TTR tetramer, inhibiting amyloid fibril formation [1].

Solubility Information

Solubility	DMSO: 3.8 mg/mL (12.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1972 mL	15.9862 mL	31.9724 mL
5 mM	0.6394 mL	3.1972 mL	6.3945 mL
10 mM	0.3197 mL	1.5986 mL	3.1972 mL
50 mM	0.0639 mL	0.3197 mL	0.6394 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Avadhesha Surolia. Mechanism-based inhibitors of transthyretin amyloidosis: studies with biphenyl ethers and structural templates. Patent US20100190832A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481