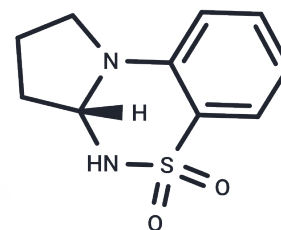


1H-Pyrrolo[2,1-c][1,2,4]benzothiadiazine, 2,3,3a,4-tetrahydro-, 5,5-dioxide, (3aR)-

Chemical Properties

CAS No. :	175340-21-3
Formula:	C10H12N2O2S
Molecular Weight:	224.28
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	1H-Pyrrolo[2,1-c][1,2,4]benzothiadiazine, 2,3,3a,4-tetrahydro-, 5,5-dioxide, (3aR)- is a low activity isomer of S 18986. S 18986 is a AMPA receptor positive modulator with EC2 (Concentration that doubles the intensity of the AMPA-induced current) of 35 µM.
Targets(IC50)	GluR

Solubility Information

Solubility	DMSO: 60 mg/mL (267.52 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	4.4587 mL	22.2936 mL	44.5871 mL
5 mM	0.8917 mL	4.4587 mL	8.9174 mL
10 mM	0.4459 mL	2.2294 mL	4.4587 mL
50 mM	0.0892 mL	0.4459 mL	0.8917 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

Desos P , Serkiz B , Morain P , et al. Enantioselective synthesis of a pyrrolo-benzothiadiazine derivative S 18986, a new AMPA receptor positive modulator[J]. Bioorganic & Medicinal Chemistry Letters, 1997, 28(23):no-no.

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