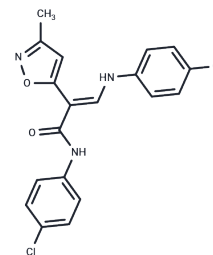


CCMI

Chemical Properties

CAS No. :	917837-54-8
Formula:	C ₁₉ H ₁₅ Cl ₂ N ₃ O ₂
Molecular Weight:	388.25
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	CCMI (AVL-3288) is a potent and selective modulator of $\alpha 7$ nAChR-positive allosteric sites.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 100 mg/mL (257.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (10.3 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5757 mL	12.8783 mL	25.7566 mL
5 mM	0.5151 mL	2.5757 mL	5.1513 mL
10 mM	0.2576 mL	1.2878 mL	2.5757 mL
50 mM	0.0515 mL	0.2576 mL	0.5151 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

Ng H J , Whittemore E R , Tran M B , et al. Nootropic $\alpha 7$ nicotinic receptor allosteric modulator derived from GABAA receptor modulators[J]. Proceedings of the National Academy of Sciences, 2007, 104(19):8059-8064.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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