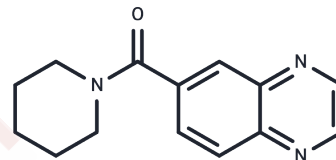


CX516

## Chemical Properties

CAS No. : 154235-83-3  
 Formula: C<sub>14</sub>H<sub>15</sub>N<sub>3</sub>O  
 Molecular Weight: 241.29  
 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	CX516 (Ampalex), an ampakine and nootropic, acts as an AMPA receptor positive allosteric modulator as a therapy for Alzheimer's disease, schizophrenia and mild cognitive impairment (MCI).
Targets(IC50)	GluR,iGluR

## Solubility Information

Solubility	DMSO: 50 mg/mL (207.22 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: 2 mg/mL (8.29 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	4.1444 mL	20.722 mL	41.4439 mL
5 mM	0.8289 mL	4.1444 mL	8.2888 mL
10 mM	0.4144 mL	2.0722 mL	4.1444 mL
50 mM	0.0829 mL	0.4144 mL	0.8289 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

Broberg BV, et al. Psychopharmacology (Berl). 2009 Nov;206(4):631-40.

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