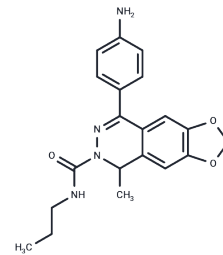


SYM2206

## Chemical Properties

CAS No. :	173952-44-8
Formula:	C <sub>20</sub> H <sub>22</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	366.41
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	SYM2206 is a low affinity non-competitive AMPA receptor antagonist with an IC <sub>50</sub> value of 1.6 μM. SYM2206 exhibits anticancer activity by blocking Nav1.6-mediated sustained currents and decreasing the survival of pancreatic cancer cells.
Targets(IC <sub>50</sub> )	iGluR, Sodium Channel

## Solubility Information

Solubility	DMSO: 100 mg/mL (272.92 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 (10.92 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	2.7292 mL	13.6459 mL	27.2918 mL
5 mM	0.5458 mL	2.7292 mL	5.4584 mL
10 mM	0.2729 mL	1.3646 mL	2.7292 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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

Welch NC, et al. Traditional AMPA receptor antagonists partially block Na v1.6-mediated persistent current. *Neuropharmacology*. 2008 Dec;55(7):1165-71.

Johnson NW, et al. Phase-amplitude coupled persistent theta and gamma oscillations in rat primary motor cortex in vitro. *Neuropharmacology*. 2017 Jun;119:141-156.

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