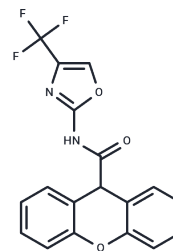


Ro0711401

## Chemical Properties

CAS No. : 714971-87-6  
 Formula: C<sub>18</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>  
 Molecular Weight: 360.29  
 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	Ro0711401 is an agonist of mGlu1 receptor.
Targets(IC50)	GluR

## Solubility Information

Solubility	DMSO: 100 mg/mL (277.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (9.16 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	2.7755 mL	13.8777 mL	27.7554 mL
5 mM	0.5551 mL	2.7755 mL	5.5511 mL
10 mM	0.2776 mL	1.3878 mL	2.7755 mL
50 mM	0.0555 mL	0.2776 mL	0.5551 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

D'Amore V, Santolini I, Celli R, Lionetto L, De Fusco A, Simmaco M, van Rijn CM, Vieira E, Stauffer SR, Conn PJ, Bosco P, Nicoletti F, van Lujtelaar G, Ngomba RT. Head-to head comparison of mGlu1 and mGlu5 receptor activation in chronic treatment of absence epilepsy in WAG/Rij rats. *Neuropharmacology*. 2014 Oct;85:91-103. doi: 10.1016/j.neuropharm.2014.05.005. Epub 2014 May 20. PubMed PMID: 24859611; PubMed Central PMCID: PMC4356528.

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