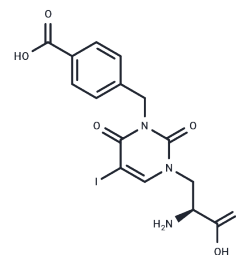


UBP301

## Chemical Properties

CAS No. : 569371-10-4  
 Formula: C<sub>15</sub>H<sub>14</sub>N<sub>3</sub>O<sub>6</sub>  
 Molecular Weight: 459.19  
 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	UBP301 is a potent and selective kainate receptor antagonist with an IC <sub>50</sub> of 164 μM and a K <sub>d</sub> of 5.94 μM. Its selectivity for kainate receptors is 30-fold higher than that for AMPA receptors, and it is structurally classified as a sophorose amino acid derivative.
Targets(IC50)	iGluR

## Solubility Information

Solubility	DMSO: 80 mg/mL (174.22 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	2.1777 mL	10.8887 mL	21.7775 mL
5 mM	0.4355 mL	2.1777 mL	4.3555 mL
10 mM	0.2178 mL	1.0889 mL	2.1777 mL
50 mM	0.0436 mL	0.2178 mL	0.4355 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

More JC, et al. Structural requirements for novel willardiine derivatives acting as AMPA and kainate receptor antagonists. Br J Pharmacol. 2003;138(6):1093-1100.

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