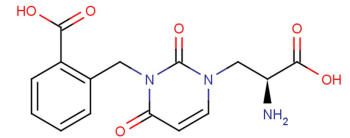


Data Sheet (Cat.No.T17193)

UBP 302

Chemical Properties

CAS No.:	745055-91-8
Formula:	C ₁₅ H ₁₅ N ₃ O ₆
Molecular Weight:	333.3
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	UBP 302 is an effective and selective GLUK5-subunit-containing kainate receptor antagonist (apparent K _d =402 nM) and displays very little affinity on GluK2 kainate receptors.
Targets(IC ₅₀)	GLUK5: apparent (K _d) 402 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0 mL	15.002 mL	30.003 mL
5 mM	0.6 mL	3.0 mL	6.001 mL
10 mM	0.3 mL	1.5 mL	3.0 mL
50 mM	0.06 mL	0.3 mL	0.6 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Dolman NP, et al. Synthesis and pharmacology of willardiine derivatives acting as antagonists of kainate receptors. *J Med Chem.* 2005 Dec 1;48(24):7867-81.
- Apland JP, et al. The limitations of diazepam as a treatment for nerve agent-induced seizures and neuropathology in rats: comparison with UBP302. *J Pharmacol Exp Ther.* 2014 Nov;351(2):359-72.

Inhibitors · Natural Compounds · Compound Libraries

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