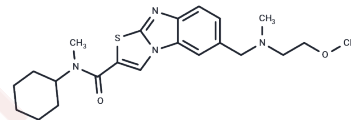


YM-202074

## Chemical Properties

CAS No. : 299900-83-7  
 Formula: C<sub>22</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>S  
 Molecular Weight: 414.56  
 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	YM-202074 is a high affinity, selective metabotropic glutamate receptor type 1 (mGlu1) antagonist. YM-202074 binds an allosteric site of the rat mGlu1 receptor with a $K_i$ of 4.8 nM. It inhibits mGlu1-mediated inositol phosphates production ( $IC_{50}$ = 8.6 nM in rat cerebellar granule cells).
Targets( $IC_{50}$ )	Others, GluR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4122 mL	12.061 mL	24.122 mL
5 mM	0.4824 mL	2.4122 mL	4.8244 mL
10 mM	0.2412 mL	1.2061 mL	2.4122 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481