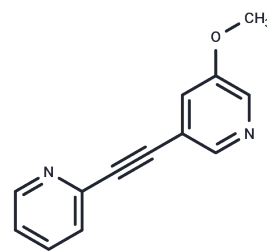


## Methoxy-PEPy

## Chemical Properties

CAS No. :	524924-76-3
Formula:	C <sub>13</sub> H <sub>10</sub> N <sub>2</sub> O
Molecular Weight:	210.23
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	Methoxy-PEPy is a potent and selective mGlu5 receptor inhibitor, exhibiting an IC <sub>50</sub> value of 1 nM.
Targets(IC <sub>50</sub> )	GluR

## Solubility Information

Solubility	DMSO: 90 mg/mL (428.1 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: 3.3 mg/mL (15.7 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	4.7567 mL	23.7835 mL	47.567 mL
5 mM	0.9513 mL	4.7567 mL	9.5134 mL
10 mM	0.4757 mL	2.3783 mL	4.7567 mL
50 mM	0.0951 mL	0.4757 mL	0.9513 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

Cosford ND, et al. [3H]-methoxymethyl-MTEP and [3H]-methoxy-PEPy: potent and selective radioligands for the metabotropic glutamate subtype 5 (mGlu5) receptor. *Bioorg Med Chem Lett*. 2003 Feb 10;13(3):351-4.

Anderson JJ, et al. In vivo receptor occupancy of mGlu5 receptor antagonists using the novel radioligand [3H]3-methoxy-5-(pyridin-2-ylethynyl)pyridine. *Eur J Pharmacol*. 2003 Jul 18;473(1):35-40.

Salisbury BG, et al. Inducible expression and pharmacological characterization of the mouse metabotropic glutamate 5b receptor. *Eur J Pharmacol*. 2008 Jan 28;579(1-3):34-9.

**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