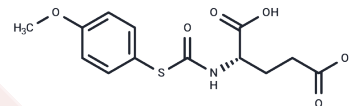


## Carboxypeptidase G2 (CPG2) Inhibitor

## Chemical Properties

CAS No. : 192203-60-4  
Formula: C<sub>13</sub>H<sub>15</sub>NO<sub>6</sub>S  
Molecular Weight: 313.33  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Carboxypeptidase G2 (CPG2) Inhibitor (CPG2 Inhibitor) is a new CPG2 Inhibitor with antitumor activity.
Targets(IC50)	Carboxypeptidase

## Solubility Information

Solubility	DMSO: 45 mg/mL (143.62 mM), Sonication is recommended. H <sub>2</sub> O: 1.3 mg/mL (4.1 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1915 mL	15.9576 mL	31.9152 mL
5 mM	0.6383 mL	3.1915 mL	6.383 mL
10 mM	0.3192 mL	1.5958 mL	3.1915 mL
50 mM	0.0638 mL	0.3192 mL	0.6383 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.

### Reference

Khan, Tariq H.; Eno-Amooquaye, Ebun A.; Searle, Frances et al. Novel Inhibitors of Carboxypeptidase G2 (CPG2): Potential Use in Antibody-Directed Enzyme Prodrug Therapy. *Journal of Medicinal Chemistry* (1999), 42(6), 951-956.

Friedlos F, Lehouritis P, Ogilvie L et al. Attenuated Salmonella targets prodrug activating enzyme carboxypeptidase G2 to mouse melanoma and human breast and colon carcinomas for effective suicide gene therapy. *Clin Cancer Res.* 2008 Jul 1;14(13):4259-66.

Schepelmann S, Ogilvie LM, Hedley D et al. Suicide gene therapy of human colon carcinoma xenografts using an armed oncolytic adenovirus expressing carboxypeptidase G2. *Cancer Res.* 2007 May 15;67(10):4949-55.

Schepelmann S, Hallenbeck P, Ogilvie LM et al. Systemic gene-directed enzyme prodrug therapy of hepatocellular carcinoma using a targeted adenovirus armed with carboxypeptidase G2. *Cancer Res.* 2005 Jun 15;65(12):5003-8.

**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](mailto:info@targetmol.com)    Address: 36 Washington Street, Wellesley Hills, MA 02481