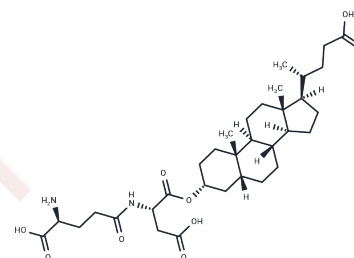


## GSTO-IN-2

## Chemical Properties

CAS No. :	1202710-57-3
Formula:	C33H52N2O9
Molecular Weight:	620.77
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	GSTO-IN-2 is a glutathione S-transferase inhibitor with IC50 values of 1.4 $\mu\text{M}$ for GSTP1-1, 16.3 $\mu\text{M}$ for GSTM1, and 3.6 $\mu\text{M}$ for GSTA2.
Targets(IC50)	GST
In vitro	When the concentration of GSTO-IN-2 was 50 $\mu\text{M}$ , the inhibition rate of cisplatin on MCF-7 and MDA-MB-231 cell viability reached 640 % and 270 %, respectively. GSTO-IN-2 ( 25 and 50 $\mu\text{M}$ ) enhanced the inhibitory effect of thiotepa on the activity of MCF-7 and MDA-MB-231, with inhibition rates of 170-320 % and 180-270 %, respectively [1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (128.87 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6109 mL	8.0545 mL	16.109 mL
5 mM	0.3222 mL	1.6109 mL	3.2218 mL
10 mM	0.1611 mL	0.8055 mL	1.6109 mL
50 mM	0.0322 mL	0.1611 mL	0.3222 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

Chang KH, et al. Lithocholic acid analogues, new and potent alpha-2,3-sialyltransferase inhibitors. Chem Commun (Camb). 2006 Feb 14;(6):629-31.

**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