# Data Sheet (Cat.No.T6999)



# Teneligliptin hydrobromide

### **Chemical Properties**

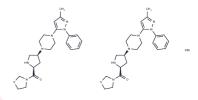
CAS No.: 906093-29-6

Formula: C22H30N6OS·5/2BrH

Molecular Weight: 628.86

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



# **Biological Description**

Description	Teneligliptin hydrobromide (MP-513 (hydrobromide)) is a novel, potent, and long-lasting dipeptidyl peptidase-4 inhibitor; competitively inhibited human plasma, rat plasma, and human recombinant DPP-4 in vitro, with IC50 values of approximately 1 nM.
Targets(IC50)	Others,Proteasome,DPP-4

## **Solubility Information**

Solubility DMSO: 50 mg/mL (79.51 mM),

Ethanol: 17 mg/mL (27.03 mM), H2O: 100 mg/mL (159.01 mM),

(< 1 mg/ml refers to the product slightly soluble or insoluble)

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	1.5902 mL	7.9509 mL	15.9018 mL
5 mM	0.318 mL	1.5902 mL	3.1804 mL
10 mM	0.159 mL	0.7951 mL	1.5902 mL
50 mM	0.0318 mL	0.159 mL	0.318 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

Kishimoto M, et al. Diabetes Metab Syndr Obes. 2013, 6:187-95. Sameshima A, et al. J Endocrinol. 2015, 227(1):25-36.

Page 1 of 2 www.targetmol.com



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:36 Washington Street,Wellesley Hills,MA 02481

Page 2 of 2 www.targetmol.com