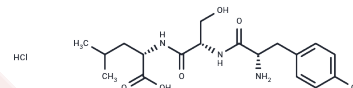


## Tyrosarleutide hydrochloride

## Chemical Properties

CAS No. :	852982-42-4
Formula:	C <sub>18</sub> H <sub>28</sub> ClN <sub>3</sub> O <sub>6</sub>
Molecular Weight:	417.88
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Tyrosarleutide hydrochloride is a small molecule tripeptide isolated from the degradation product of pig spleen, which can inhibit tumor growth in vivo and in vitro.
Targets(IC50)	Apoptosis,PTEN,Akt,PDK,MDM-2/p53

## Solubility Information

Solubility	DMSO: 250 mg/mL (598.26 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 (7.9 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	2.393 mL	11.9652 mL	23.9303 mL
5 mM	0.4786 mL	2.393 mL	4.7861 mL
10 mM	0.2393 mL	1.1965 mL	2.393 mL
50 mM	0.0479 mL	0.2393 mL	0.4786 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

Wang C, et al. Studies on the large scale synthesis and anti-tumor activity of YSL. Prep Biochem Biotechnol. 2003 Aug;33(3):189-95.

**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