

**Product Name:** Tyrosarleutide hydrochloride

**Cat. No.:** MRP-2505-CXX-46

**Package:** 5 mg/10 mg/25 mg/50 mg/100 mg/200 mg/500 mg

## Description

Tyrosarleutide hydrochloride, a tripeptide from porcine spleen degradation, exhibits antitumor activity. It upregulates the tumor suppressor PTEN and inhibits AKT and PDK1. By inhibiting the PI3K/AKT pathway, it suppresses tumor cell proliferation and MDM2 phosphorylation, while also upregulating P21, P27, and P53, leading to mitochondrial damage and cell apoptosis.

## Product Details

**Purity:** 99.98%

**Formula:** C<sub>18</sub>H<sub>28</sub>N<sub>3</sub>O<sub>6</sub>

**Molecular Weight:** 417.88

**Appearance:** Solid

**Color:** White to off-white

**Biological Target:** PTEN; PDK-1; MDM-2/p53; Apoptosis; Akt

**Research Areas:** Cancer

**Solubility:** DMSO: 250 mg/mL (598.26 mM, need ultrasonic); H<sub>2</sub>O: 2 mg/mL (4.79 mM, ultrasonic and warming and heat to 60°C)

**Shipping Conditions:** Room Temperature

**Storage Information:** Powder: -80°C (2 years), -20°C (1 year); In solvent: -80°C (6 months), -20°C (1 month). Sealed storage, away from moisture and light, under nitrogen.

 For preclinical research and development use only; not intended for therapeutic or other applications.