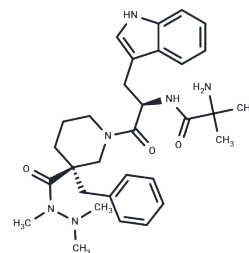


Anamorelin

Chemical Properties

CAS No. :	249921-19-5
Formula:	C ₃₁ H ₄₂ N ₆ O ₃
Molecular Weight:	546.7
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Anamorelin (ONO-7643) is a novel ghrelin receptor agonist (EC ₅₀ : 0.74 nM in the FLIPR assay).
Targets(IC ₅₀)	GHSR
In vitro	Anamorelin(ANAM) is a potent and highly specific ghrelin receptor agonist
In vivo	Anamorelin(ANAM) showed significant agonist and binding activity on the ghrelin receptor, and stimulated GH release in vitro. In rats, ANAM significantly and dose-dependently increased FI and BW at all dose levels compared with control, and significantly increased GH levels at 10 or 30 mg/kg doses. Increases in GH and IGF-1 levels were observed following ANAM administration in pigs.

Solubility Information

Solubility	DMSO: 50 mg/mL (91.46 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8292 mL	9.1458 mL	18.2916 mL
5 mM	0.3658 mL	1.8292 mL	3.6583 mL
10 mM	0.1829 mL	0.9146 mL	1.8292 mL
50 mM	0.0366 mL	0.1829 mL	0.3658 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

Pietra C, et al. Anamorelin HCl (ONO-7643), a novel ghrelin receptor agonist, for the treatment of cancer anorexia-cachexiasyndrome: preclinical profile. J Cachexia Sarcopenia Muscle. 2014 Dec;5(4):329-37.

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