

Capromorelin (Tartrate)

Catalog No: tcsc6929



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg



Specifications

CAS No:

193273-69-7

Formula:

$C_{32}H_{41}N_5O_{10}$

Pathway:

GPCR/G Protein

Target:

GHSR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

CP 424391-18

Observed Molecular Weight:

655.7

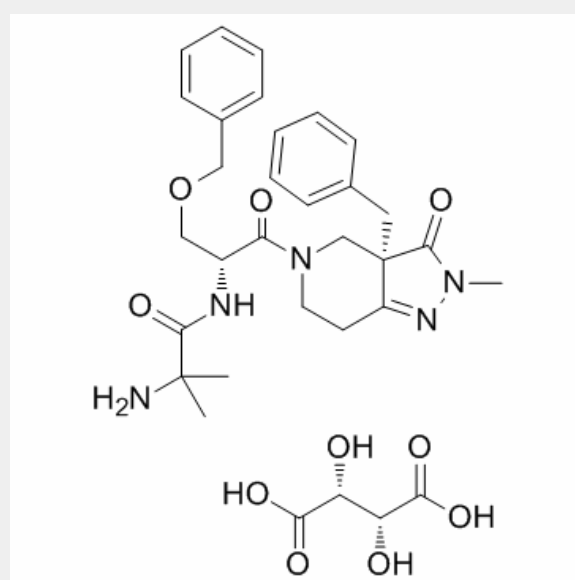
Product Description

Capromorelin Tartrate is an orally active, potent **growth hormone secretagogue receptor (GHSR)** agonist, with **K_i** of 7 nM for hGHS-R1a.

IC₅₀ & Target: K_i: 7 nM (hGHS-R1a)^[2]

In Vitro: Capromorelin stimulates GH release in rat pituitary cell cultures with EC₅₀ of 3 nM^[2].

In Vivo: Dogs receiving capromorelin (30 mg/mL) have food consumption that is significantly greater than dogs treated with placebo. All dogs in the capromorelin group gain weight by 0.52 kg, more than that of placebo group^[1]. Capromorelin shows enhanced intestinal absorption in rodent models and exhibits superior pharmacokinetic properties, including high bioavailabilities in two animal species [F(rat)=65%, F(dog)=44%]^[2]. Capromorelin stimulates GH release in anesthetized rat model, with ED₅₀ of 0.05 mg/kg iv^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!