

Product Name : Ipamorelin 2acetate(170851-70-4(free base))

Synonyms : NNC-26-0161

Cat No. : M22786

CAS Number :

Molecular Formula : C38H49N9O5

Formula Weight : 711.85

Chemical Name : —

Description : Ipamorelin 2acetate is a growth-hormone-releasing peptide, induces longitudinal bone growth in rats. In vitro, ipamorelin released GH from primary rat pituitary cells with a potency and efficacy similar to GHRP-6 (ECs) = 1.3+/-0.4nmol/l and Emax = 85+/-5% vs 2.2+/-0.3nmol/l and 100%). A pharmacological profiling using GHRP and growth hormone-releasing hormone (GHRH) antagonists clearly demonstrated that ipamorelin, like GHRP-6, stimulates GH release via a GHRP-like receptor[1]. In pentobarbital anaesthetised rats, ipamorelin released GH with a potency and efficacy comparable to GHRP-6 (ED50 = 80+/-42nmol/kg and Emax = 1545+/-250ng GH/ml vs 115+/-36nmol/kg and 1167+/-120ng GH/ml). In conscious swine, ipamorelin released GH with an ED50 = 2.3+/-0.03 nmol/kg and an Emax = 65+/-0.2 ng GH/ml plasma. Again, this was very similar to GHRP-6 (ED50 = 3.9+/-1.4 nmol/kg and Emax = 74+/-7ng GH/ml plasma).

Pathway : Others

Target : Other Targets

Receptor : Others

Solubility : —

SMILES : CC(C)(C)C(=O)O.CC(C)(C)C(=O)O.CC(C)(N)C(=O)N[C@@H](Cc1cnc[nH]1)C(=O)N[C@@H](Cc1ccc2ccccc2c1)C(=O)N[C@@H](Cc1ccccc1)C(=O)N[C@@H](CCCCN)C(N)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Raun K, Hansen B, Johansen N, et al. Ipamorelin, the first selective growth hormone secretagogue[J]. European Journal of Endocrinology, 1998, 139(5):552-561.