

Product Name: BMS 193885

Catalog No.: 3242

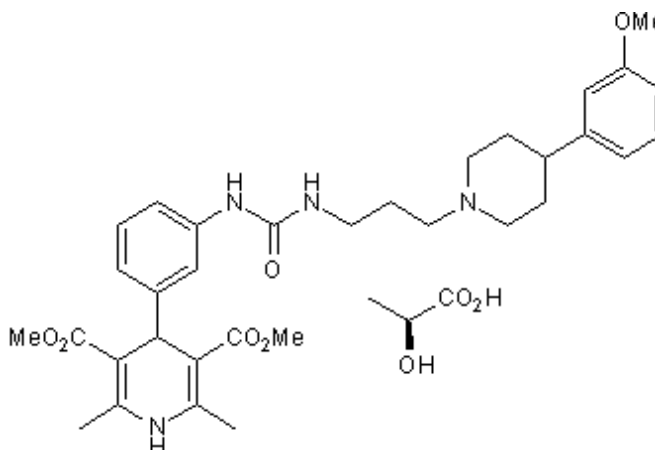
Batch No.: 2

CAS Number: 679839-66-8

IUPAC Name: 1,4-Dihydro-4-[3-[[[3-[4-(3-methoxyphenyl)-1-piperidinyl]propyl]amino]carbonyl]amino]phenyl]-2,6-dimethyl-3,5-pyridinedicarboxylic acid 3,5-dimethyl ester L-Lactate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₃H₄₂N₄O₆·C₃H₆O₃·H₂O
Batch Molecular Weight: 698.81
Physical Appearance: Pale yellow solid
Solubility: water to 20 mM
DMSO to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.48 (Dichloromethane:Methanol:Ammonia soln. [90:9.5:0.5])
HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.88	7.21	8.02
Found	61.63	7.33	7.95

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent, competitive neuropeptide (NPY) Y₁ antagonist (K_i = 3.3 nM, IC₅₀ = 5.9 nM) that displays > 47, > 100, > 160, > 160 and > 160-fold selectivity over σ₁, α₁, Y₂, Y₄ and Y₅ receptors respectively. Reduces food intake and body weight via central Y₁ inhibition and is brain penetrant.

Physical and Chemical Properties:

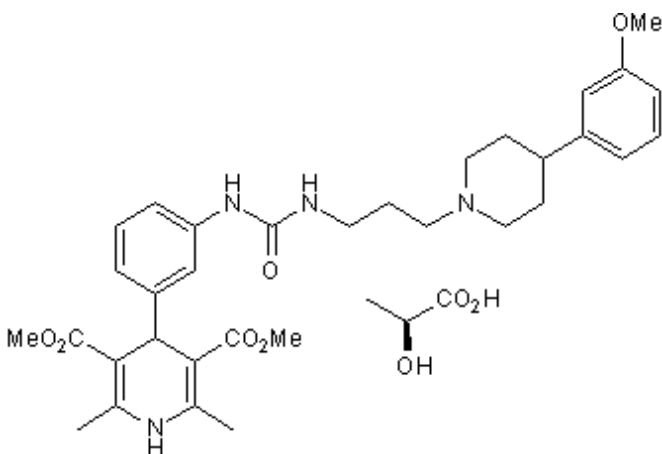
Batch Molecular Formula: C₃₃H₄₂N₄O₆·C₃H₆O₃·H₂O

Batch Molecular Weight: 698.81

Physical Appearance: Pale yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

water to 20 mM
DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Poindexter et al (2002) Dihydropyridine neuropeptide Y Y₁ receptor antagonists. *Bioorg.Med.Chem.Letts.* **12** 379.

Poindexter et al (2004) Dihydropyridine neuropeptide Y Y₁ receptor antagonists 2: bisosteric urea replacements *Bioorg.Med.Chem.* **12** 507. PMID: 14723969.

Antal-Zimanyi et al (2008) Pharmacological characterization and appetite suppressive properties of BMS-193885, a novel and selective neuropeptide Y1 receptor antagonist *Eur.J.Pharmacol.* **590** 224. PMID: 18573246.

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