Product Name: BIBO 3304 trifluoroacetate
Catalog No.: 2412
Batch No.: 2
CAS Number: 191868-14-1
IUPAC Name: \( \text{N-[(1R)-1-[[[[4-[[\text{Aminocarbonyl}]\text{amino}]\text{methyl}]\text{phenyl}]\text{methyl}]\text{amino}]\text{carbonyl}]-4-[(\text{aminoiminomethyl})\text{amino}]\text{butyl}]\alpha-phenyl-benzeneacetamide ditrifluoroacetate} \)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{29}\text{H}_{35}\text{N}_{7}\text{O}_{3}\cdot2\text{CF}_{3}\text{CO}_{2}\text{H} \)
Batch Molecular Weight: 757.69
Physical Appearance: White solid
Solubility: DMSO to 100 mM
DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.2 \) (Dichloromethane:Methanol:Ammonia soln. [80:20:0.2])
HPLC: Shows 98.4% purity
\(^1\text{H NMR}: \) Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \([\alpha]_D = -14.5\) (Concentration = 1, Solvent = DMSO)
Product Name: BIBO 3304 trifluoroacetate
Catalog No.: 2412
Batch No.: 2

CAS Number: 191868-14-1

Description:
High affinity NPY Y₁ receptor antagonist (IC₅₀ values are 0.38 and 0.72 nM at human and rat receptors respectively) that displays > 2600-fold selectivity over Y₂, Y₄ and Y₅ receptors. Inhibits NPY- and fasting-induced feeding in vivo following central administration. Also antagonizes anxiolytic-like effects of NPY.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₂H₅₅N₇O₇·2CF₃CO₂H
Batch Molecular Weight: 757.69
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol 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:

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