

Product Name: BQ 788 sodium salt

Catalog No.: 1500

Batch No.: 5

CAS Number: 156161-89-6

IUPAC Name: *N*-[(*cis*-2,6-Dimethyl-1-piperidinyl)carbonyl]-4-methyl-L-leucyl-1-(methoxycarbonyl)-D-tryptophyl-D-norleucine sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₄H₅₀N₅NaO₇

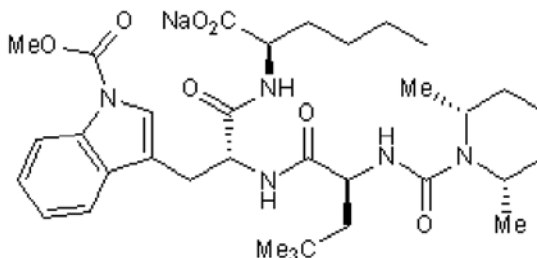
Batch Molecular Weight: 663.79

Physical Appearance: Off-white solid

Solubility: ethanol to 5 mM
DMSO to 5 mM

Storage: Desiccate at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98% purity

Mass Spectrum: Consistent with structure

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

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Description:

Potent, selective ET_B receptor antagonist (IC₅₀ = 1.2 nM for inhibition of ET-1 binding to human Girardi heart cells).

Physical and Chemical Properties:

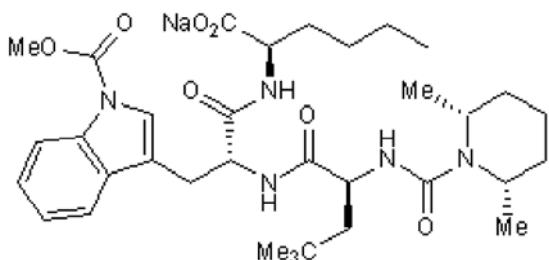
Batch Molecular Formula: C₃₄H₅₀N₅NaO₇

Batch Molecular Weight: 663.79

Physical Appearance: Off-white solid

Minimum Purity: >95%

Batch Molecular Structure:



Storage: Desiccate at -20°C

Solubility & Usage Info:

ethanol to 5 mM

DMSO to 5 mM

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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:

Davenport (2002) International Union of Pharmacology. XXIX. Update on endothelin receptor nomenclature. *Pharmacol.Rev.* **54** 219. PMID: 12037137.

Okada and Nishikibe (2002) BQ-788, a selective endothelin ET_B receptor antagonist. *Cardiovasc.Drug Rev.* **20** 53. PMID: 12070534.

Ishikawa et al (1994) Biochemical and pharmacological profile of a potent and selective endothelin B-receptor antagonist, BQ-788. *Proc.Natl.Acad.Sci.U.S.A.* **91** 4892. PMID: 8197152.

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