

Product Name: L-803,087 trifluoroacetate

Catalog No.: 1979

Batch No.: 3

CAS Number: 1786412-46-1

IUPAC Name: *N*²-[4-(5,7-Difluoro-2-phenyl-1*H*-indol-3-yl)-1-oxobutyl]-L-arginine methyl ester trifluoroacetate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₉F₂N₅O₃.CF₃CO₂H

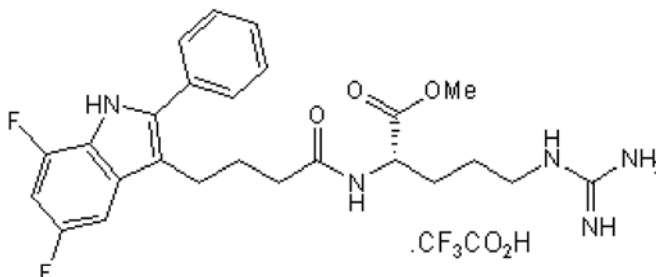
Batch Molecular Weight: 599.56

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

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

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Description:

Potent and selective somatostatin sst₄ receptor agonist. K_i values are 0.7, 199, 4720, 1280 and 3880 nM for cloned human sst₄, sst₁, sst₂, sst₃ and sst₅ receptors respectively. Facilitates AMPA-mediated hippocampal synaptic responses in vitro and increases kainate-induced seizures in mice in vivo.

Physical and Chemical Properties:

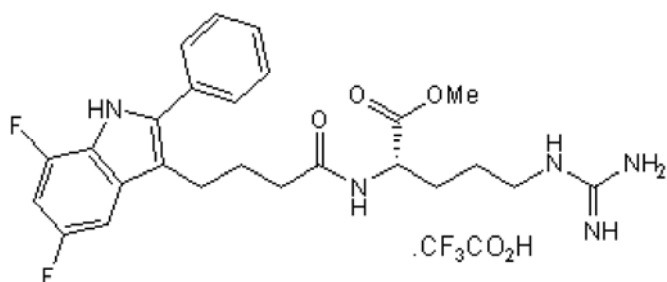
Batch Molecular Formula: C₂₅H₂₉F₂N₅O₃.CF₃CO₂H

Batch Molecular Weight: 599.56

Physical Appearance: White solid

Minimum Purity: >97%

Batch Molecular Structure:



Storage: Store at -20°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:

Moneta et al (2002) Somatostatin receptor subtypes 2 and 4 affect seizure susceptibility and hippocampal excitatory neurotransmission in mice. *Eur.J.Neurosci.* **16** 843. PMID: 12372020.

Rohrer and Schaeffer (2000) Identification and characterization of subtype selective somatostatin receptor agonists. *J.Physiol.Paris* **94** 211. PMID: 11087999.

Rohrer et al (1998) Rapid identification of subtype-selective agonists of the somatostatin receptor through combinatorial chemistry. *Science* **282** 737. PMID: 9784130.

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