

**Product Name:** Sacubitril calcium

**Catalog No.:** 5772

**Batch No.:** 1

CAS Number: 1369773-39-6

IUPAC Name: Ethyl ( $\alpha R, \gamma S$ )- $\gamma$ -[(3-carboxy-1-oxopropyl)amino]- $\alpha$ -methyl-[1,1'-biphenyl]-4-pentanoate hemicalcium salt

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{24}H_{28}NO_5 \cdot \frac{1}{2}Ca \cdot \frac{1}{4}H_2O$

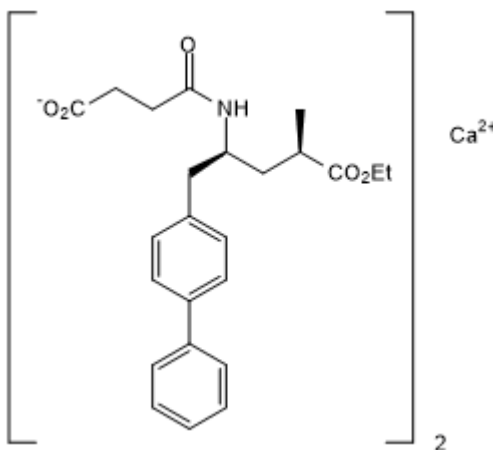
**Batch Molecular Weight:** 435.02

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM  
ethanol to 20 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.8% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	66.26	6.6	3.22
Found	66.38	6.64	3.19

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**Description:**

Membrane metallo-endopeptidase (neprilysin) inhibitor prodrug. Increases ANF-induced natriuresis without affecting diuresis in rats. Orally bioavailable.

**Physical and Chemical Properties:**

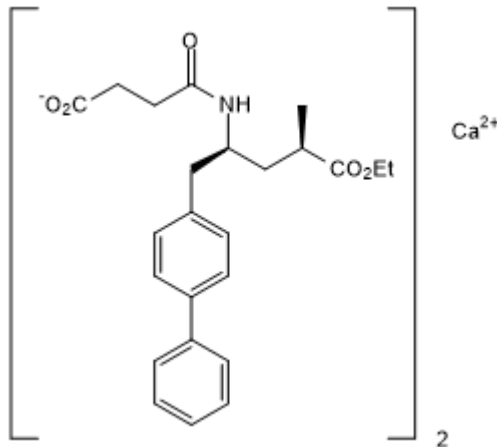
Batch Molecular Formula:  $C_{24}H_{28}NO_5 \cdot \frac{1}{2}Ca \cdot \frac{1}{4}H_2O$

Batch Molecular Weight: 435.02

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 20 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:**

**Ksander et al** (1995) Dicarboxylic acid dipeptide neutral endopeptidase inhibitors. *J.Med.Chem.* **38** 1689. PMID: 7752193.

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