

# Nepicastat

## Catalog No: tcsc0515



### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



### Specifications

**CAS No:**

173997-05-2

**Formula:**

$C_{14}H_{15}F_2N_3S$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Dopamine  $\beta$ -hydroxylase

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 48$  mg/mL (162.52 mM)

**Alternative Names:**

SYN117;RS-25560-197

**Observed Molecular Weight:**

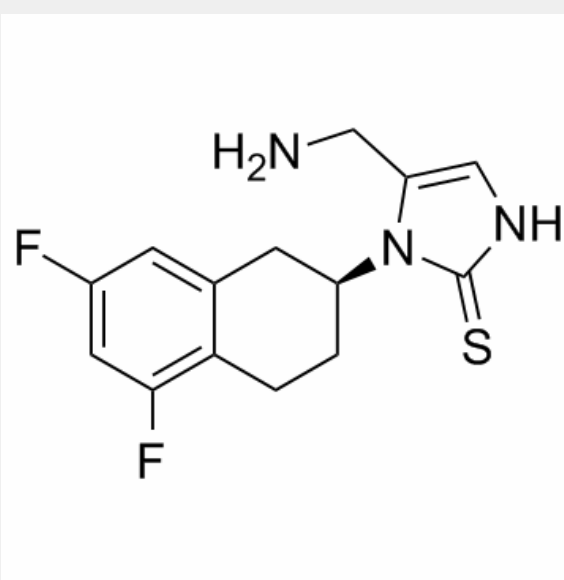
295.35

### Product Description

Nepicastat (SYN117; RS-25560-197) is a dopamine beta-hydroxylase inhibitor with IC<sub>50</sub> of  $8.5 \pm 0.8$  and  $9.0 \pm 0.8$  nM for bovine and human, respectively.

IC<sub>50</sub> value: 8.5/9.0 nM (bovine/human dopamine beta-hydroxylase)

Dopamine beta-hydroxylase is an enzyme that catalyzes the conversion of dopamine to norepinephrine. Nepicastat (SYN117; RS-25560-197) has been studied as a possible treatment for congestive heart failure, and appears to be well tolerated as such.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!