

# SM-6586

Catalog No: tcsc6798



## Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 20mg



## Specifications

### CAS No:

103898-38-0

### Formula:

$C_{26}H_{27}N_5O_5$

### Pathway:

Membrane Transporter/Ion Channel;Membrane Transporter/Ion Channel

### Target:

Na<sup>+</sup>/Ca<sup>2+</sup> Exchanger;Calcium Channel

### Purity / Grade:

>98%

### Solubility:

10 mM in DMSO

### Observed Molecular Weight:

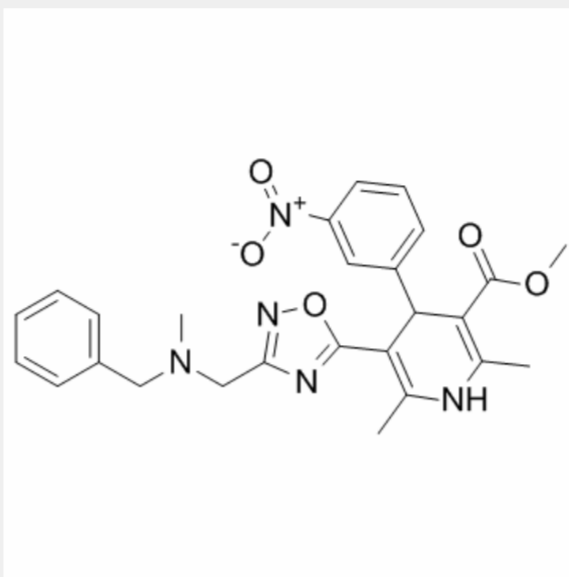
489.52

## Product Description

SM-6586 is a **calcium channel** antagonist and inhibitor of Na<sup>+</sup>/H<sup>+</sup> and **Na<sup>+</sup>/Ca<sup>2+</sup> exchange transport**, potentially for the

treatment of cerebrovascular diseases and hypertension.

***In Vivo:*** In SM-6586-treated spontaneously hypertensive rats, the survival rate after bilateral common carotid artery ligation is higher, the brain water content is lower, and the ATP level is higher and lactate level. In focal ischemia models, the SM-treated group shows a reduction of T1 relaxation time. The brain water content is significantly decreased in the SM-treated group<sup>[1]</sup>.



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