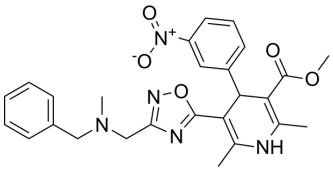
SM-6586

Cat. No.:	HY-19062
CAS No.:	103898-38-0
Molecular Formula:	$C_{26}H_{27}N_5O_5$
Molecular Weight:	489.52
Target:	Calcium Channel; Na+/Ca2+ Exchanger
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SM-6586 is a calcium channel antagonist and inhibitor of Na^+/H^+ and Na^+/Ca^{2+} exchange transport, potentially for the treatment of cerebrovasular 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[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kashiwagi F, et al. Effect of a new calcium antagonist (SM-6586) on experimental cerebral ischemia. Acta Neurochir Suppl (Wien). 1994;60:289-92.

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