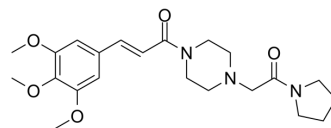


## Cinepazide

Cat. No.:	HY-66010A
CAS No.:	23887-46-9
Molecular Formula:	C <sub>22</sub> H <sub>31</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	417.5
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Cinepazide is a piperazine derivative and acts as a weak calcium channel blocker. Cinepazide is a potent vasodilator and can be used for the research of cerebrovascular diseases, including ischemic stroke, brain infarct et. al <sup>[1]</sup> .
<b>In Vivo</b>	Cinepazide (intravenous injection; 30 mg/kg) potentiates the vertebral vasodilator response of dogs to intravertebral adenosine and cyclic AMP, while cinnarizine reduces their vasodilator effects <sup>[1]</sup> . Cinepazide (intravertebral injection; 1-10 mg/kg) increases vertebral blood flow in a dose-related manner and the effect is partially inhibited by Aminophylline (HY-B0140) in dogs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Akashi, A., et al., [Cardiovascular pharmacology of cinepazide, a new cerebral vasodilator (author's transl)]. Nihon Yakurigaku Zasshi, 1979. 75(5): p. 507-16.
- [2]. Jonathan G Swoboda, et al. Small molecule mediated proliferation of primary retinal pigment epithelial cells. ACS Chem Biol. 2013 Jul 19;8(7):1407-11.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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