Cinepazide

Cat. No.: HY-66010A  
CAS No.: 23887-46-9  
Molecular Formula: C_{22}H_{31}N_{3}O_{5}  
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

Description
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[1].

In Vivo
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[1]. 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[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES


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

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