Aligeron

Cat. No.: HY-101602  
CAS No.: 70713-45-0  
Molecular Formula: C₂₀H₂₄N₂  
Molecular Weight: 292.42  
Target: Prostaglandin Receptor  
Pathway: GPCR/G Protein  
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description
Aligeron is a non-selective prostaglandin (PG) antagonist, and has vasodilatory properties.

In Vitro
Aligeron shows a broad spectrum of antagonistic action against different spasmogens in different isolated organs. The experiments on isolated perfused rabbit artery shows the antagonistic action of aligeron against the vasoconstrictor effects of noradrenaline and adrenaline[1]. The effect of aligeron in vitro lacks selectivity and is probably due to interference with the action of Ca²⁺[3].

In Vivo
In hypoventilation hypoxia, aligeron (5 mg/kg i.v.) and cinnarizine increase cortical resistance to hypoxia and accelerated the recovery of cortical bioelectrical activity. In KCl- and AMP-induced depressions aligeron shows a protective effect manifested in a decrease of the degree and duration of the depression[2].

REFERENCES