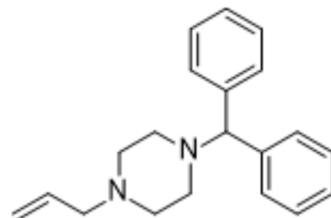


## Aligeron

Cat. No.:	HY-101602
CAS No.:	70713-45-0
Molecular Formula:	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub>
Molecular Weight:	292.42
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Aligeron is a non-selective prostaglandin (PG) antagonist, and has vasodilatory properties.
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	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 <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Miyares K, et al. Antagonistic activity of aligeron and papaverine against different smooth muscle stimuli. *Methods Find Exp Clin Pharmacol*. 1985 Sep;7(9):473-6.
- [2]. Dimov S, et al. Effect of aligeron and cinnarizine in models of general and local depression of the cortical bioelectrical activity in cats. *Methods Find Exp Clin Pharmacol*. 1983;5(2):89-95.

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

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