
Product Data Sheet

Product Name: Aligeron
Cat. No.: GC32558

Chemical Properties

Cas. No. 70713-45-0

SMILES C=CCN1CCN(C(C2=CC=CC=C2)C3=CC=CC=C3)CC1

Formula $C_{20}H_{24}N_2$ M.Wt 292.42

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

Background

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

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 Ca^{2+} [3].

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].

[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

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

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depression of the cortical bioelectrical activity in cats. Methods Find Exp Clin Pharmacol. 1983;5(2):89-95. [3]. Nikolov R, et al. Study on the prostaglandin antagonistic activity of aligeron and piracetam. Methods Find Exp Clin Pharmacol. 1982 Aug-Sep;4(6):387-95.

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