

产品名称：尼麦角林  
产品别名：Nicergoline

#### 生物活性：

|   |  |   |       |           |            |            |
|---|--|---|-------|-----------|------------|------------|
| 生物活性:   |  |   |       |           |            |            |
| Description   |  | Nicergoline is an ergot derivative used to treat senile dementia and other disorders with vascular origins.<br>Target: Alpha-1A adrenergic receptor Nicergoline acts by inhibiting the postsynaptic alpha(1)-adrenoceptors on vascular smooth muscle. This inhibits the vasoconstrictor effect of circulating and locally released catecholamines (epinephrine and norepinephrine), resulting in peripheral vasodilation. Nicergoline displaced [3H]-prazosin bound to rat forebrain membranes pretreated with chloroethylclonidine (pKi = 9.9 +/- 0.2) at concentrations 60-fold lower than in rat liver membranes (pKi = 8.1 +/- 0.2). Finally, of the nicergoline metabolites studied, lumilysergol acted as a modest alpha 1 antagonist (bromonicotinic acid was devoid of alpha 1 antagonist activity). In conclusion, nicergoline is a potent and selective alpha 1A-adrenoceptor subtype antagonist, an alpha 1-adrenoceptor subtype which is mainly represented in resistance arteries [1]. |       |           |            |            |
| Solvent&Solubility  |  | In Vitro:   |       |           |            |            |
|   |  | DMSO : ≥ 86.67 mg/mL (178.93 mM)  |       |           |            |            |
|   |  | * "≥" means soluble, but saturation unknown.  |       |           |            |            |
|   |  | <div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>  | 1 mg  | 5 mg      | 10 mg      |            |
|   |  | Preparing   | 1 mM  | 2.0645 mL | 10.3223 mL | 20.6445 mL |
|   |  | Stock Solutions   | 5 mM  | 0.4129 mL | 2.0645 mL  | 4.1289 mL  |
|   |  |   | 10 mM | 0.2064 mL | 1.0322 mL  | 2.0645 mL  |
| *请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液，一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。<br><br>储备液的保存方式和期限 -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。 |  |   |       |           |            |            |
| References  |  | [1]. Alvarez-Guerra, M., N. Bertholom, and R.P. Garay, Selective blockade by nicergoline of vascular responses elicited by stimulation of alpha 1A-adrenoceptor subtype in the rat. Fundam Clin Pharmacol. 1999. 13(1): p. 50-8.  |       |           |            |            |