



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **NS309**

产品别名: **NS309**

| | | | | |
|--|---|--------------------------------|-----------|------------|
| 生物活性: | | | | |
| Description | NS309 is a positive modulator of small- and intermediate- conductance Ca ²⁺ -activated K ⁺ channels (KCa ₂ and KCa _{3.1} channels); increases Ca ²⁺ sensitivity. Displays no activity at BK channels. IC ₅₀ value: Ca ²⁺ -activated K ⁺ channel Target: | | | |
| Solvent&Solubility | In Vitro: DMSO : 100 mg/mL (432.83 mM; Need ultrasonic) | | | |
| | | Solvent / Mass / Concentration | 1 mg | 5 mg |
| | Preparing | 1 mM | 4.3283 mL | 21.6413 mL |
| | Stock Solutions | 5 mM | 0.8657 mL | 4.3283 mL |
| | | 10 mM | 0.4328 mL | 2.1641 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。 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 | <p>[1]. Stankevicius, Edgaras; Dalsgaard, Thomas; Kroigaard, Christel et al. Opening of small and intermediate calcium-activated potassium channels induces relaxation mainly mediated by nitric-oxide release in large arteries and endothelium-derived hyperpolarizin</p> <p>[2]. Seear, Rachel V.; Lew, Virgilio L. IKCa agonist (NS309)-elicited all-or-none dehydration response of human red blood cells is cell-age dependent. Cell Calcium (2011), 50(5), 444-448.</p> <p>[3]. Dalsgaard, T.; Kroigaard, C.; Misfeldt, M. Openers of small conductance calcium-activated potassium channels selectively enhance NO-mediated bradykinin vasodilatation in porcine retinal arterioles. British Journal of Pharmacology (2010), 160(6), 1496-1508</p> <p>[4]. Broendum, E.; Kold-Petersen, H.; Simonsen, U.; Aalkjaer, C. NS309 restores EDHF-type relaxation in mesenteric small arteries from type 2 diabetic ZDF rats. British Journal of Pharmacology (2010), 159(1), 154-165.</p> | | | |