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产品名称: **TCV-309 (chloride)**

产品别名: **TCV-309 (chloride)**

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |           |           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------|-----------|
| 生物活性:              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |           |           |
| Description        | TCV-309 chloride is a platelet activating factor (PAF) antagonist. (1) TCV-309 chloride specifically inhibited PAF-induced aggregation of rabbit and human platelets. (2) TCV-309 chloride selectively inhibited the PAF-induced hypotension, hemoconcentration and death with ED50 values of 2.7, 6.4 and 1.7 micrograms/kg (i.v.), respectively. TCV-309 (chloride) most potently protected mice from death induced by PAF and due to anaphylactic shock with ED50 values of 2.1 and 2.6 micrograms/kg (i.v.), respectively. (3) TCV-309 chloride also reversed PAF-induced hypotension and endotoxin-induced hypotension in rats with ED50 values of 3.3 and 1.2 micrograms/kg (i.v.), respectively. |                                           |           |           |
| Solvent&Solubility | <b>In Vitro:</b><br><b>DMSO : ≥ 6.3 mg/mL (10.00 mM)</b><br><br>* "≥" means soluble, but saturation unknown.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |           |           |
|                    | <div>Preparing Stock Solutions</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <div>Solvent Mass<br/>Concentration</div> | 1 mg      | 5 mg      |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 mM                                      | 1.5874 mL | 7.9369 mL |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5 mM                                      | 0.3175 mL | 1.5874 mL |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10 mM                                     | 0.1587 mL | 0.7937 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°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |           |           |
| References         | [1]. Terashita Z et al. Beneficial effects of TCV-309, a novel potent and selective platelet activating factor antagonist in endotoxin and anaphylactic shock in rodents. J Pharmacol Exp Ther. 1992 Feb;260(2):748-55.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |           |           |