



上海源叶生物科技有限公司  
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产品名称: **SCH 336**  
CAS 号: **447459-51-0**  
产品货号: **S89910**

**生物活性:**

|                    |                                                                                                                                                                                                                                                                                                                                                                    |                                |           |           |            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------|-----------|------------|
| Description        | SCH 336 is a potent, selective, inverse and orally active CB2 agonist. SCH 336 inhibits BaF3/CB2 migration. SCH 336 significantly inhibits the migration of leukocytes in vivo. SCH 336 blocks ovalbumin-induced lung eosinophilia in mice[1].                                                                                                                     |                                |           |           |            |
| IC50 & Target      | hCB2-R                                                                                                                                                                                                                                                                                                                                                             |                                |           |           |            |
| In Vitro           | SCH 336 (Sch.336) (0-10 μM) competes with [3H]CP55,940 for binding to human CB2 on Sf9 cell membranes with Ki of 1.8 nM, and decreases GTPγS binding on human CB2-containing membranes with an EC50 of 2 nM, decreases potency on CB1-containing membranes with EC50 of 200 nM[1].<br>SCH 336 inhibits BaF3/CB2 migration to 100 nM 2-AG with an IC50 of 34 nM[1]. |                                |           |           |            |
| In Vivo            | SCH 336 (0.02, 0.2, 2.0 mg/kg; i.p.) significantly inhibits the migration of leukocytes[1].<br>Animal Model: Female B6D2/F1 mice (HU210)[1]<br>Dosage: 0.02, 0.2, 2.0 mg/kg<br>Administration: I.p.<br>Result: Significantly inhibited the migration of leukocytes into the CCL2-soaked gel foam sponge.                                                           |                                |           |           |            |
| Solvent&Solubility | 细胞实验:<br>DMSO 中的溶解度 : 100 mg/mL (185.31 mM; 超声助溶; 吸湿的 DMSO 对产品的溶解度有显著影响, 请使用新开封的 DMSO)                                                                                                                                                                                                                                                                             |                                |           |           |            |
|                    | Preparing Stock Solutions                                                                                                                                                                                                                                                                                                                                          | Solvent / Mass / Concentration | 1 mg      | 5 mg      | 10 mg      |
|                    |                                                                                                                                                                                                                                                                                                                                                                    | 1 mM                           | 1.8531 mL | 9.2654 mL | 18.5309 mL |
|                    |                                                                                                                                                                                                                                                                                                                                                                    | 5 mM                           | 0.3706 mL | 1.8531 mL | 3.7062 mL  |
|                    |                                                                                                                                                                                                                                                                                                                                                                    | 10 mM                          | 0.1853 mL | 0.9265 mL | 1.8531 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>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。                                                                                                                                                                                                            |                                |           |           |            |
| 参考文献               | [1]. Lunn CA, et al. A novel cannabinoid peripheral cannabinoid receptor-selective inverse agonist blocks leukocyte recruitment in vivo. J Pharmacol Exp Ther. 2006 Feb;316(2):780-8.                                                                                                                                                                              |                                |           |           |            |

**完整储备液配制表:**

\* 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°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。

| 可选溶剂 | 质量 / 溶剂体积 / 浓度 | 1 mg      | 5 mg      | 10 mg      | 25 mg      |
|------|----------------|-----------|-----------|------------|------------|
| DMSO | 1 mM           | 1.8531 mL | 9.2654 mL | 18.5309 mL | 46.3272 mL |
|      | 5 mM           | 0.3706 mL | 1.8531 mL | 3.7062 mL  | 9.2654 mL  |
|      | 10 mM          | 0.1853 mL | 0.9265 mL | 1.8531 mL  | 4.6327 mL  |



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|  |        |           |           |           |           |
|--|--------|-----------|-----------|-----------|-----------|
|  | 15 mM  | 0.1235 mL | 0.6177 mL | 1.2354 mL | 3.0885 mL |
|  | 20 mM  | 0.0927 mL | 0.4633 mL | 0.9265 mL | 2.3164 mL |
|  | 25 mM  | 0.0741 mL | 0.3706 mL | 0.7412 mL | 1.8531 mL |
|  | 30 mM  | 0.0618 mL | 0.3088 mL | 0.6177 mL | 1.5442 mL |
|  | 40 mM  | 0.0463 mL | 0.2316 mL | 0.4633 mL | 1.1582 mL |
|  | 50 mM  | 0.0371 mL | 0.1853 mL | 0.3706 mL | 0.9265 mL |
|  | 60 mM  | 0.0309 mL | 0.1544 mL | 0.3088 mL | 0.7721 mL |
|  | 80 mM  | 0.0232 mL | 0.1158 mL | 0.2316 mL | 0.5791 mL |
|  | 100 mM | 0.0185 mL | 0.0927 mL | 0.1853 mL | 0.4633 mL |



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