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产品名称: **FGF-401**  
产品别名: **Roblitinib**

|                           |                                                                                                                                                                                                                                                                                                            |                                           |           |           |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------|-----------|
| 生物活性:                     |                                                                                                                                                                                                                                                                                                            |                                           |           |           |
| Description               | Roblitinib (FGF-401; Compound Example 83) is a highly selective and potent FGFR4 inhibitor with an IC <sub>50</sub> of 1.9 nM[1]. Roblitinib has antitumor activity[2].                                                                                                                                    |                                           |           |           |
| IC <sub>50</sub> & Target | FGFR4                                                                                                                                                                                                                                                                                                      |                                           |           |           |
|                           | 1.9 nM (IC <sub>50</sub> )                                                                                                                                                                                                                                                                                 |                                           |           |           |
| Solvent&Solubility        | <b>In Vitro:</b><br>DMSO : 5.2 mg/mL (10.27 mM; Need ultrasonic)                                                                                                                                                                                                                                           |                                           |           |           |
|                           | Preparing<br>Stock Solutions                                                                                                                                                                                                                                                                               | <div>Solvent / Mass / Concentration</div> | 1 mg      | 5 mg      |
|                           |                                                                                                                                                                                                                                                                                                            | 1 mM                                      | 1.9741 mL | 9.8705 mL |
|                           |                                                                                                                                                                                                                                                                                                            | 5 mM                                      | 0.3948 mL | 1.9741 mL |
|                           |                                                                                                                                                                                                                                                                                                            | 10 mM                                     | 0.1974 mL | 0.9870 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°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]. Nicole Buschmann, et al. Ring-fused bicyclic pyridyl derivatives as fgfr4 inhibitors. WO2015059668A1.<br>[2]. Hierro C, et al. Fibroblast Growth Factor (FGF) Receptor/FGF Inhibitors: Novel Targets and Strategies for Optimization of Response of Solid Tumors. Semin Oncol. 2015 Dec;42(6):801-19. |                                           |           |           |

源叶生物