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产品名称: **Fostamatinib Disodium Hexahydrate**  
产品别名: 福他替尼二钠盐六水合物; **R788 (disodium hexahydrate)**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |           |           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------|-----------|
| 生物活性:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |           |           |
| Description               | Fostamatinib disodium hexahydrate (R788 disodium hexahydrate), a prodrug of the active metabolite R406, is a potent Syk inhibitor with IC <sub>50</sub> of 41 nM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |           |           |
| IC <sub>50</sub> & Target | Syk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |           |           |
| Solvent&Solubility        | <b>In Vitro:</b><br><b>DMSO : 31.81 mg/mL (43.43 mM; Need ultrasonic)</b><br><b>H<sub>2</sub>O : 2 mg/mL (2.73 mM; ultrasonic and warming and heat to 60°C)</b><br>* "≥" means soluble, but saturation unknown.                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |           |           |
|                           | <div>Preparing<br/>Stock Solutions</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <div>Solvent Mass<br/>Concentration</div> | 1 mg      | 5 mg      |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 mM                                      | 1.3652 mL | 6.8258 mL |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5 mM                                      | 0.2730 mL | 1.3652 mL |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10 mM                                     | 0.1365 mL | 0.6826 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                | <p>[1]. Braselmann, S., et al. R406, an orally available spleen tyrosine kinase inhibitor blocks fc receptor signaling and reduces immune complex-mediated inflammation. J Pharmacol Exp Ther, 2006. 319(3): p. 998-1008.</p> <p>[2]. Chen, L., et al., SYK-dependent tonic B-cell receptor signaling is a rational treatment target in diffuse large B-cell lymphoma. Blood, 2008. 111(4): p. 2230-7.</p> <p>[3]. Suljagic, M., et al., The Syk inhibitor fostamatinib disodium (R788) inhibits tumor growth in the Emu-TCL1 transgenic mouse model of CLL by blocking antigen-dependent B-cell receptor signaling. Blood, 2010. 116(23): p. 4894-905.</p> |                                           |           |           |