

Lyn peptide inhibitor

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 222018-18-0 |
| Formula: | C ₁₁₅ H ₁₈₄ N ₃₀ O ₂₄ |
| Molecular Weight: | 2370.91 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

Biological Description

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|-------------|--|
| Description | Cell-permeable inhibitor of Lyn-dependent effects of the IL-5 receptor. Blocks binding of Lyn tyrosine kinase to β c subunit of IL-3/GM-CSF/IL-5 receptors, blocking Lyn activation. Inhibits IL-5 receptor-mediated eosinophil differentiation and survival in vitro. Inhibits airway eosinophilic inflammation in mouse model of asthma. |
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Solubility Information

| | |
|------------|---|
| Solubility | water: 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|----------|----------|
| 1 mM | 0.422 mL | 2.109 mL | 4.218 mL |
| 5 mM | 0.084 mL | 0.422 mL | 0.844 mL |
| 10 mM | 0.042 mL | 0.211 mL | 0.422 mL |
| 50 mM | 0.008 mL | 0.042 mL | 0.084 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Adachi et al (1999) The mapping of the Lyn kinase binding site of the common β c subunit of IL-3/granulocyte-macrophage colony-stimulating factor/IL-5 receptor. J.Immunol. 162 1496 PMID:
2. Adachi et al (1999) A novel lyn-binding peptide inhibitor blocks eosinophil differentiation, survival, and airway eosinophilic inflammation. J.Immunol. 163 939 PMID:

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