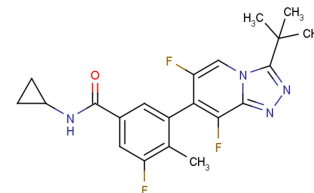


AL 8697

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 1057394-06-5 |
| Formula: | C ₂₁ H ₂₁ F ₃ N ₄ O |
| Molecular Weight: | 402.41 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

**Biological Description**

| | |
|----------------------------|--|
| Description | AL 8697 is a specific and orally active p38 α MAPK inhibitor (IC ₅₀ : 6 nM), 14-fold less potent in p38 β MAPK (IC ₅₀ : 82 nM). It exhibits anti-inflammatory activity. |
| Targets(IC ₅₀) | p38 α : 6 nM p38 β : 82 nM |
| In vivo | AL 8697 (1-30 mg/kg; p.o.; once daily for 10 days) dose-dependently decreases oedema in right and left paws. |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|----------|
| 1 mM | 2.485 mL | 12.425 mL | 24.85 mL |
| 5 mM | 0.497 mL | 2.485 mL | 4.97 mL |
| 10 mM | 0.249 mL | 1.243 mL | 2.485 mL |
| 50 mM | 0.05 mL | 0.249 mL | 0.497 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. Balagué C, et al. Profiling of dihydroorotate dehydrogenase, p38 and JAK inhibitors in the rat adjuvant-induced arthritis model: a translational study. Br J Pharmacol. 2012 Jun;166(4):1320-32.

Inhibitors · Natural Compounds · Compound Libraries

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