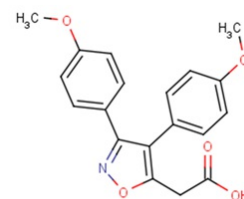


Mofezolac

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 78967-07-4 |
| Formula: | C ₁₉ H ₁₇ NO ₅ |
| Molecular Weight: | 339.35 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

**Biological Description**

| | |
|-------------|--|
| Description | Mofezolac (formerly known as Disopain or N-22) is a highly selective COX-1 (cyclooxygenase-1) inhibitor with COXs selectivity index > 6000 |
|-------------|--|

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 10 mM Water: Insoluble Ethanol: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.947 mL | 14.734 mL | 29.468 mL |
| 5 mM | 0.589 mL | 2.947 mL | 5.894 mL |
| 10 mM | 0.295 mL | 1.473 mL | 2.947 mL |
| 50 mM | 0.059 mL | 0.295 mL | 0.589 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. Calvello R, et al. Highly Selective Cyclooxygenase-1 Inhibitors P6 and Mofezolac Counteract Inflammatory State both In Vitro and In Vivo Models of Neuroinflammation. *Front Neurol.* 2017 Jun 9;8:251

Inhibitors · Natural Compounds · Compound Libraries

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