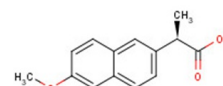


(R)-Naproxen

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 23979-41-1 |
| Formula: | C ₁₄ H ₁₄ O ₃ |
| Molecular Weight: | 230.26 |
| Appearance: | Solid |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

**Biological Description**

| | |
|----------------------------|---|
| Description | (R)-Naproxen, an anti-inflammatory agent, has antipyretic and analgesic properties. Both the acid and its sodium salt are used in the therapy of acute gout or dysmenorrhea, musculoskeletal disorders, rheumatoid arthritis and other rheumatic. |
| Targets(IC ₅₀) | COX: None |

Solubility Information

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

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 4.343 mL | 21.715 mL | 43.429 mL |
| 5 mM | 0.869 mL | 4.343 mL | 8.686 mL |
| 10 mM | 0.434 mL | 2.171 mL | 4.343 mL |
| 50 mM | 0.087 mL | 0.434 mL | 0.869 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. Albertini R, et al. *Inflamm Res.* 2007, 56(6):228-9.
2. Zhao, Ming, et al. GCG inhibits SARS-CoV-2 replication by disrupting the liquid phase condensation of its nucleocapsid protein. *Nature Communications*. 12.1 (2021): 1-14.
3. Liu Y, Liu Y, Liu Z, et al. Chiral Molecularly Imprinted Polymeric Stir Bar Sorptive Extraction for Naproxen Enantiomer Detection in PPCPs[J]. *Journal of Hazardous Materials.* 2020: 122251.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481