

Ethyl 2-propylpentanoate

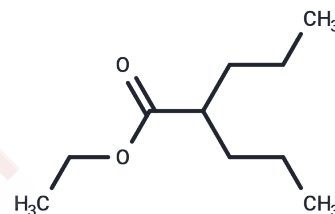
Chemical Properties

CAS No. : 17022-31-0

Formula: C₁₀H₂₀O₂

Molecular Weight: 172.26

Storage: Keep away from moisture, Store under nitrogen
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Ethyl 2-propylpentanoate (Ethyl valproate) has anticonvulsant activity. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.8052 mL | 29.0259 mL | 58.0518 mL |
| 5 mM | 1.161 mL | 5.8052 mL | 11.6104 mL |
| 10 mM | 0.5805 mL | 2.9026 mL | 5.8052 mL |
| 50 mM | 0.1161 mL | 0.5805 mL | 1.161 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Spiegelstein O, et al. Structure activity relationship of human microsomal epoxide hydrolase inhibition by amide and acid analogues of valproic acid. *Pharm Res.* 2000 Feb;17(2):216-21.

Robbins DK, et al. Interaction of valproic acid and some analogues with microsomal epoxide hydrolase. *Biochem Pharmacol.* 1992 Feb 18;43(4):775-83.

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