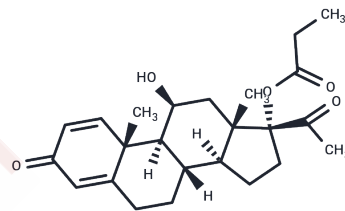


Deprodone propionate

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 20424-00-4 |
| Formula: | C ₂₄ H ₃₂ O ₅ |
| Molecular Weight: | 400.51 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|---|
| Description | Deprodone propionate, a corticosteroid, is synthesized by esterification with propionic acid at the 17-position and deoxidation at the 21-position of the prednisolone skeleton. |
| Targets(IC50) | Others |
| In vitro | Deprodone propionate demonstrates maximal and sustained efficacy, avoids skin irritation, and maintains physicochemical stability. Its formulation allows for stable suspension due to the thickening properties of the suspending agent. |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 250 mg/mL (624.20 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4968 mL | 12.4841 mL | 24.9682 mL |
| 5 mM | 0.4994 mL | 2.4968 mL | 4.9936 mL |
| 10 mM | 0.2497 mL | 1.2484 mL | 2.4968 mL |
| 50 mM | 0.0499 mL | 0.2497 mL | 0.4994 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.

Reference

Takashi Narui, et al. Water and deprodone proprionate -containing external preparations. EP 0473810 B1.

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