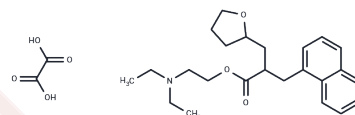


Naftidrofuryl oxalate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 3200-06-4 |
| Formula: | C ₂₆ H ₃₅ N ₇ O ₇ |
| Molecular Weight: | 473.56 |
| Storage: | 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 | Naftidrofuryl oxalate (Nafronyl oxalate) is a drug used in the management of peripheral and cerebral vascular disorders. It is claimed to enhance cellular oxidative capacity and to be a spasmolytic. It may also be an antagonist at 5HT-2 serotonin receptors. |
| Targets(IC50) | 5-HT Receptor |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 50 mg/mL (105.58 mM),Sonication is recommended. H ₂ O: 198.5 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.22 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1117 mL | 10.5583 mL | 21.1166 mL |
| 5 mM | 0.4223 mL | 2.1117 mL | 4.2233 mL |
| 10 mM | 0.2112 mL | 1.0558 mL | 2.1117 mL |
| 50 mM | 0.0422 mL | 0.2112 mL | 0.4223 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

Kim MJ, et al. Clin Exp Nephrol. 2013 Jun;17(3):437-8.

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