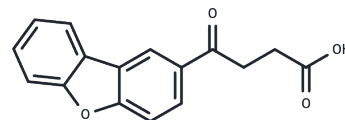


## Furobufen

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 38873-55-1                                               |
| Formula:          | C <sub>16</sub> H <sub>12</sub> O <sub>4</sub>           |
| Molecular Weight: | 268.26                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Furobufen is an anti-inflammatory agent. It produces antiarthritic and has antipyretic effects. Furobufen also has an analgesic effect in inflamed tissue.        |
| Targets(IC50) | Others                                                                                                                                                            |
| In vivo       | Furobufen (p.o.; 10, 30, 90 mg/kg; once daily; 7 days) yields a dose-related inhibition of the paw edema produced by carrageenan in male rats weighing 180-200 g. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.7277 mL | 18.6386 mL | 37.2773 mL |
| 5 mM  | 0.7455 mL | 3.7277 mL  | 7.4555 mL  |
| 10 mM | 0.3728 mL | 1.8639 mL  | 3.7277 mL  |
| 50 mM | 0.0746 mL | 0.3728 mL  | 0.7455 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

Martel RR, et al. Anti-inflammatory properties of furobufen. Can J Physiol Pharmacol. 1974 Jun;52(3):669-73.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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