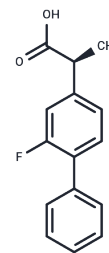


## (S)-Flurbiprofen

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 51543-39-6  |
| Formula:          | C <sub>15</sub> H <sub>13</sub> FO <sub>2</sub>   |
| Molecular Weight: | 244.26  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Esflurbiprofen is an inhibitor of COX-1 and COX-2.   |
| Targets(IC50) | COX,PGE Synthase   |
| In vitro      | (S)-Flurbiprofen (10 <sup>-7</sup> M) results in a total suppression of basal and stimulated PGE2 release in rat skin. |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 95 mg/mL (388.93 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 4.094 mL  | 20.470 mL | 40.940 mL |
| 5 mM  | 0.8188 mL | 4.094 mL  | 8.188 mL  |
| 10 mM | 0.4094 mL | 2.047 mL  | 4.094 mL  |
| 50 mM | 0.0819 mL | 0.4094 mL | 0.8188 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

B Averbeck, et al. Inflammatory Mediators Do Not Stimulate CGRP Release if Prostaglandin Synthesis Is Blocked by S(+)-flurbiprofen in Isolated Rat Skin. Inflamm Res. 2003 Dec;52(12):519-23.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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:34 Washington Street,Wellesley Hills,MA 02481