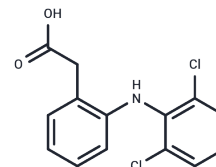
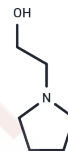


## Diclofenac Epolamine

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 119623-66-4   |
| Formula:          | C <sub>20</sub> H <sub>24</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub>                                       |
| Molecular Weight: | 411.32  |
| 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   | Diclofenac Epolamine (DHEP) is a non-steroidal anti-inflammatory agent (NSAID) with analgesic and antipyretic actions. |
| Targets(IC50) | Others,COX   |

## Solubility Information

|                     |  |
|---------------------|--|
| Solubility          | Ethanol: 80 mg/mL (194.5 mM),Sonication is recommended.<br>DMSO: 80 mg/mL (194.5 mM),Sonication is recommended.<br>H <sub>2</sub> O: 80 mg/mL (194.5 mM),Sonication is recommended.<br>( < 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+90% Corn Oil: 5 mg/mL (12.16 mM),Sonication is recommended.<br><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  | 2.4312 mL | 12.156 mL | 24.312 mL |
| 5 mM  | 0.4862 mL | 2.4312 mL | 4.8624 mL |
| 10 mM | 0.2431 mL | 1.2156 mL | 2.4312 mL |
| 50 mM | 0.0486 mL | 0.2431 mL | 0.4862 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

Affaitati G, et al. Diclofenac epolamine topical patch for the treatment of pain. J Biol Regul Homeost Agents.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481