

## Adapalene impurity 1

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 43109-77-9   |
| Formula:          | C17H22O  |
| Molecular Weight: | 242.36   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |   |
|---------------|---|
| Description   | Adapalene impurity 1 is an impurity related to Adapalene. |
| Targets(IC50) | Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.1261 mL | 20.6305 mL | 41.2609 mL |
| 5 mM  | 0.8252 mL | 4.1261 mL  | 8.2522 mL  |
| 10 mM | 0.4126 mL | 2.063 mL   | 4.1261 mL  |
| 50 mM | 0.0825 mL | 0.4126 mL  | 0.8252 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.

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