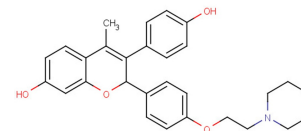


## (Rac)-Acolbifene

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 151533-34-5  |
| Formula:          | C <sub>29</sub> H <sub>31</sub> NO <sub>4</sub>                        |
| Molecular Weight: | 457.56   |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



## Biological Description

|                            |  |
|----------------------------|--|
| Description                | (Rac)-Acolbifene is the racemic form of EM652 (estrogen receptor antagonist), has anti-estrogenic and estrogenic activities.   |
| Targets(IC <sub>50</sub> ) | Others: None   |
| In vitro                   | (Rac)-Acolbifene shows a inhibitory effect in T-47D cells (IC <sub>50</sub> value of 0.110 nM).  |
| In vivo                    | (Rac)-Acolbifene shows a good pharmacological profile in ovariectomized mice, shows 63% and 84% antiuterotrophic inhibitions at the 7.5 and 75 nM doses, respectively (PK study, ovariectomized mice). |

## Solubility Information

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

## Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 2.186 mL | 10.928 mL | 21.855 mL |
| 5 mM  | 0.437 mL | 2.186 mL  | 4.371 mL  |
| 10 mM | 0.219 mL | 1.093 mL  | 2.186 mL  |
| 50 mM | 0.044 mL | 0.219 mL  | 0.437 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Gauthier S1,et al.Synthesis and structure-activity relationships of analogs of EM-652 (acolibifene), a pure selective estrogen receptor modulator. Study of nitrogen substitution.J Enzyme Inhib Med Chem. 2005 Apr;20(2):165-77.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481