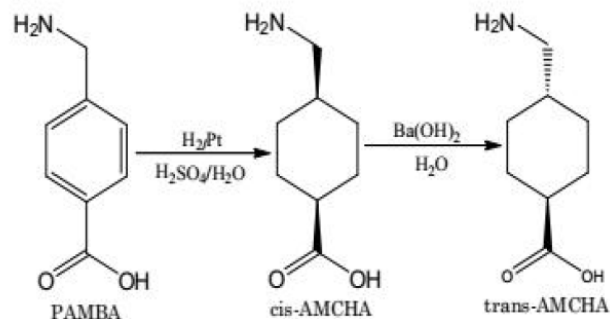


Manufacturing Process Flowchart Tranexamic Acid, USP - T4046

Synthesis Route:



Brief description of the manufacturing process

The current manufacturing process of Tranexamic acid consists of three stages in sequence as follows:

- 1) Hydrogenation of 4-aminomethylbenzoic acid, which is composed of two steps: hydrogenation, and filtration.
- 2) Transformation from cis-Tranexamic acid to trans-Tranexamic acid, which is composed of five steps: cis-neutralization, trans-transformation, trans-neutralization, centrifugation, concentration and crystallization.
- 3) Purification of crude Tranexamic acid, which is composed of refining, filtration, crystallization, centrifugation, washing, and drying.

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