



Resolution of DL-Tryptophan

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ABSTRACT

A process for the resolution of a mixture of DL- tryptophan. The ratio of one desired enantiomorph to the other enantiomorph of said amino acid is increased in the crystalline compound obtained as compared to the ratio in the starting material .The resolved crystals can be separated as they have different morphological forms. Here the resolution of the tryptophan amino acids using their own D-form and L-form. The DL-tryptophan, D-tryptophan, L-tryptophan is converted to its methane sulphonate salts using methane sulphonic acid. The optical rotation of the DL-form as well as the optical rotation of the D-form and L-form added salt is checked by using polarimeter. The experiment shows a improvement in the specific optical rotation values. In another method instead of using methane sulphonate salts the D-form and L-form was taken as such.

Keywords: Amino acids, Resolution, DL-Tryptophan.
