

DL-Mandelic Acid

Cat. No. EXTZ-797

Lot. No. (See product label)

Introduction

Description

DL-Mandelic Acid, also known as bitter almond acid, is a racemic aromatic α -hydroxycarboxylic acid composed of equal amounts of the D- and L-enantiomers. It has a wide range of applications in the organic synthesis and pharmaceutical industries. As a key pharmaceutical intermediate, it is used in the synthesis of drugs such as cefazolin, cyclomandelate, and hydroxybenzazole, and also serves as an antibacterial agent and preservative for the urinary tract. In the cosmetics industry, due to its gentle exfoliating, antibacterial, and pigmentation-inhibiting properties, it is widely used in acne treatment, skin-whitening, and post-laser repair products. Additionally, it serves as an analytical reagent, an organic synthesis building block, and a dye intermediate, meeting diverse industrial needs across various applications.

Product Information

Appearance	White crystalline powder
CAS No.	90-64-2; 611-72-3
Molecular Formula	C ₈ H ₈ O ₃
Purity	≥99%
Melting Point	118-121°C