

## 水杨酸

中文名:水杨酸

英文名: Salicylic acid

CAS 号: 69-72-7

分子式: C<sub>7</sub>H<sub>6</sub>O<sub>3</sub>

分子量: 138.12

Beilstein 号: 774890

MDL 号: MFCD00002439

属 性

溶解性 Soluble in water (1.8 g/L)

敏感性 对光敏感

贮存条件 密封保存。

沸 点 211° C

熔 点 158-161° C

密 度 1.4400

荧光 否

IC50 否

pK Values 否

描 述

别 名 柳酸; 沙利西酸; 撒酸; 邻羟基苯甲酸; 2-羟基苯甲酸; 2-Hydroxybenzoic

acid;Bis(2-hydroxyethyl)iminotris(hydroxymethyl)methane

**产品介绍** Salicylic acid is a natural product extract from Willow bark, well known as an antiinflammatory and antinociceptive agent and a close structural relative to acetylsalicylic acid (aspirin). Salicylic acid is a ubiquitous plant hormone with many regulatory functions involved in local disease resistance mechanisms and systemic acquired resistance. The antiinflammatory and antinociceptive effects produced by Salicylic acid and its derivatives in animals are due to inhibition of COX-1 and COX-2 (cyclooxygenase) enzyme activity and suppression of prostaglandin biosynthesis. Salicylic acid is also of interest as a starting material for the organic synthesis of more elaborate COX suppressors and other chemical structures.

**用途** 测定铝、硼、铈、铜、铁、铅、锰、汞、银、钛、钨、钒、次亚硫酸盐，硝酸盐和亚硝酸盐。沉淀钍使钍从铈及其他稀土元素中分离出来，分离锆与钛。荧光指示剂；防腐剂；络合指示剂。

