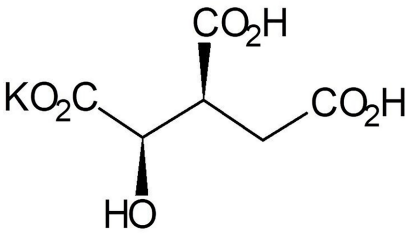
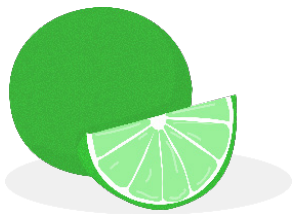
(+)-Ds- 苏式 - 异柠檬酸二氢钾



基本信息：	
别称：	DS-(+)- 苏式 - 异柠檬酸单钾盐、(1R,2S)-1- 羟基 -1,2,3- 丙烷三羧酸单钾盐
CAS 号：	20226-99-7
化学式：	$C_6H_7KO_7$
分子量：	230.21

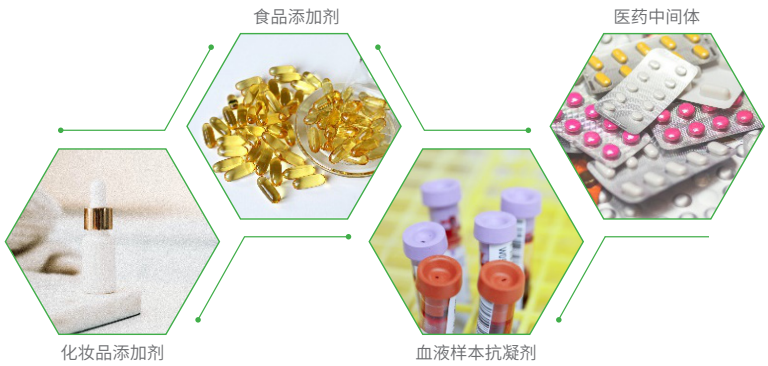
产品介绍

异柠檬酸（以下简称 ICA，CAS 6061-97-8）是一种多用途化合物。ICA 和柠檬酸都是三羧酸循环（Citric Acid Cycle, Krebs Cycle）的代谢产物。在三羧酸循环中，ICA 可以解除琥珀酸脱氢酶的阻断，从而使细胞能够在外部压力下进行呼吸，可能会促进活细胞中的氧气利用。与常见的柠檬酸相比，异柠檬酸的结构和手性与之不同，并具有更广泛的潜在用途。



潜在用途

众多研究表明，异柠檬酸可用于膳食补充剂、化妆品成分（具有抗氧化和抗皱功能）、血液样本的抗凝血剂、药物砌块、医药中间体，并可作为分析标准品、螯合剂等。



应用领域

(+)-DS- 苏式 - 异柠檬酸二氢钾在医药领域可用作抗 HIV 药物达芦那韦（Darunavir）的原料，并可用于食品、化妆品等行业。

我们的优势

异柠檬酸可以通过植物提取、发酵法、化学合成和生物转化等方法生产，但工业化生产异柠檬酸非常困难。酶赛通过创新的工业化工艺，能够大规模生产高品质的异柠檬酸盐。我们可以提供不同品级的 (+)-DS- 苏式 - 异柠檬酸二氢钾，以满足不同客户的需求。

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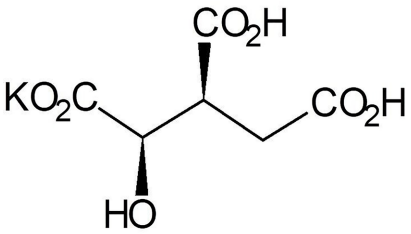
DS-(+)-THREO-ISOCITRIC ACID MONOPOTASSIUM SALT

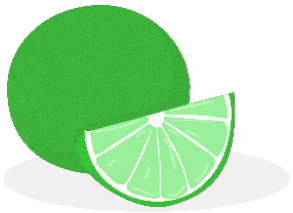
Enzymaster® 酶赛



Basic Information	
Synonyms:	(1R,2S)-1-hydroxy-1,2,3-propanetricarboxylic acid monopotassium salt, (2R,3S)-Isocitric acid monopotassium salt
CAS NO.:	20226-99-7
Chemical Formula:	$C_6H_7KO_7$
Molecular Weight:	230.21

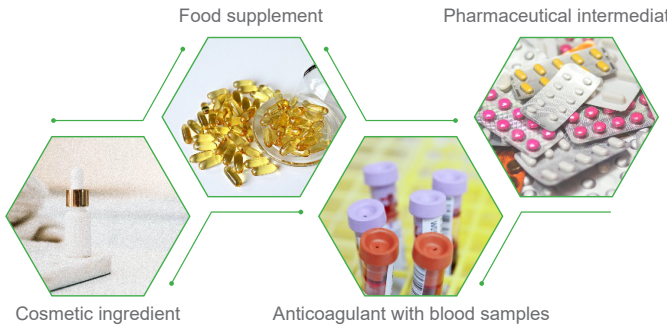
PROFILE

Isocitric acid (ICA, CAS 6061-97-8) has been an underestimated multi-purposed compound. ICA and citric acid are both metabolites of Tricarboxylic acid cycle (aka. Citric acid cycle or Krebs cycle). ICA unblocks succinate dehydrogenase in the cycle, enabling cell respiration under external stress and presumably promotes oxygen utilization in living cells. It differs citric acid from its structure and chirality while shows extensive potential uses.



POTENTIAL USES

According to the literature,isocitric acid can be used in the field of food supplement,a cosmetic ingredient as anti-ageing agent (with anti-oxidation and anti-wrinkle function), anticoagulant with blood samples, buildingblocks for new drugs,pharmaceutical intermediates,analytical standard, chelating agent, etc.



APPLICATIONS

Ds-(+)-threo-Isocitric acid monopotassium salt is used as raw material for Darunavir in pharma industry. In addition, the product can be used in food, cosmetics and other industries.

STRENGTH

Many research showed isocitric acid can be produced through isolation from natural sources, yeast cultivation, chemical synthesis and biological transformations, but the efficiency is rather low. In Enzymaster, we developed more efficient and environmental-friendly process, producing high-quality Ds-(+)-threo-Isocitric acid monopotassium salt to cater for different needs.

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