

Anacardic acid

CAS # 16611-84-0

EXIM-INDIS INC
EVOLVING CHEMISTRY

Product In Focus

Anacardic acid


INTRODUCTION

Anacardic acid is the primary bioactive component of cashew nutshell liquid (CNSL), acting as a potent histone acetyltransferase (HAT) inhibitor with anti-inflammatory, anti-cancer, and antibacterial properties. It is widely used in research for its role in cellular, anti-tumor, and neurological studies, showing minimal adverse effects

MANUFACTURE

The primary method for producing purified anacardic acid including the 15:0 saturated compound, involves extracting it from cashew nutshell liquid.

KEY DETAILS

CAS No	16611-84-0
Molecular Formula	$C_{22}H_{36}O_3$
Molecular Weight	348.52 g/mol
Synonyms	6-pentadecylsalicylic acid
Appearance	White to off-white solid
Melting Point	260-265 °C
Structure	

APPLICATION

Pharmaceutical

- Studied for its antimicrobial, antioxidant, and anti-inflammatory properties
- Used in research related to anticancer and enzyme inhibition activities
- Applied in drug discovery and bioactive compound development studies
- Investigated for potential use in antibacterial and antifungal formulations

Cosmetic / Personal Care

- Used in specialty skin care and personal care research formulations
- Studied for antioxidant & antimicrobial functional benefits
- Applied in formulation development for protective and cleansing products

Industrial / Specialty Chemicals

- Used as an intermediate in the synthesis of specialty chemicals and resins
- Applied in polymer modification & surface treatment research
- Used in the development of coatings, additives, and functional materials

Agriculture

- Studied for natural pesticide & bioactive agricultural applications
- Investigated for antifungal and pest-control formulations
- Used in research involving plant-derived protective agents

Research / Biotechnology

- Widely used in biochemical & molecular biology research
- Studied as a histone acetyltransferase (HAT) inhibitor in epigenetic research
- Applied in enzyme activity studies & cell signaling research
- Used in natural product and medicinal chemistry studies



Anacardic acid

CAS # 16611-84-0

EXIM-INDIS INC
EVOLVING CHEMISTRY

Product In Focus

Anacardic acid

SPECIFICATIONS

Test	Specification
Description	Yellow oil
Purity	> 97%

STORAGE & PRECAUTION

Store at ambient conditions

PACKING

Custom packing available upon request

GMP STATUS

Manufactured under cGMP or non GMP conditions based on customer specifications and intended application.

Exim-Indis offers Anacardic acid on commercial scales and welcomes enquiries. No matter the quantity you need, our exceptional quality and service will make Exim-Indis your supplier of choice. If you need any additional information or SDS, please contact us.