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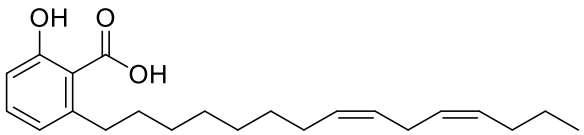
PRODUCT DATA SHEET

6-[8(Z),11(Z)-Pentadecadienyl]salicylic acid

Code No.: **BIA-P3208**

Pack sizes: **0.25 mg, 1 mg**



Synonyms : C15:2 Anacardic acid, (15:2)-Anacardic acid, Anacardic acid diene

Specifications

CAS #	:	**103904-74-1**
Molecular Formula	:	**$C_{22}H_{32}O_3$**
Molecular Weight	:	**344.5**
Source	:	***Anacardium occidentale***
Appearance	:	**Tan residue**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

6-[8(Z),11(Z)-Pentadecadienyl]salicylic acid (anacardic acid 15:2) is the diene analogue of the non-polar 6-pentadecylsalicyclic acid (anacardic acid) family isolated from the cashew (Anacardium occidentale) shell and nut by Kubo and co-workers at University of California, Berkeley USA in 1986. Anacardic acids inhibit enzymes such as prostaglandin synthase, tyrosinase, and lipoxygenase and are also known to exhibit antitumor, antimicrobial and antiacne properties. More recently, anacardic acids have shown promise in inhibiting methane production in ruminants.

References

1. Molluscicides from the cashew Anacardium occidentale and their large-scale isolation. Kubo I. et al. J. Agric. Food Chem 1986, 34, 970.
2. Antimicrobial agents from the cashew Anacardium occidentale (Anacardiaceae) nut shell oil. Himejima M. and Kubo I. J. Agric. Food Chem. 1991,39,418
3. Effect of technical cashew nut shell liquid on rumen methane emission and lactation performance of dairy cows. Branco A. F. et al. J. Diary Sci. 2015, 98, 4030.

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