



Datasheet for ABIN7233231

Anacardic Acid[Go to Product page](#)

1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: HAT Inhibitor

Characteristics: Anacardic acids occur in cashew nut shells and are similar in structure to urushiols, the irritating components of poison ivy. Anacardic acid inhibits histone acetyltransferases (HATs) p300 (IC₅₀ = 8.5 μM) and PCAF (IC₅₀ = 5.0 μM) with no effect on HDACs. It also suppresses expression or activity of proteins involved in invasion and angiogenesis, e.g. MMP-2 (IC₅₀ = 11 μM) and -9. 6-PDSA, a saturated form of anacardic acid, induces macrophage activation via MAPK and NF-κB. When used at 125 μM, it sensitized cancer cells to radiation therapy by reducing histone expression. It also blocks inducible and constitutive activation of NF-κB in leukemia cells.

Purity: >98 %

Chemical Name: 2-Hydroxy-6-pentadecylbenzoic acid

Formula: C₂₂H₃₆O₃

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or in Ethanol (15 mg/ml)

Target Details

Background: 6-Pentadecylsalicylic acid, 6-PDSA, Cell adhesion, Epigenetics, Posttranslational modification, Cytokine, MAPK, Acetyltransferase, Protease, Immunology, Angiogenesis, Stem cells, Inflammation, Cancer, NFκappaB, Chromatin

Target Details

Molecular Weight: 348.5

CAS-No: 16611-84-0

Application Details

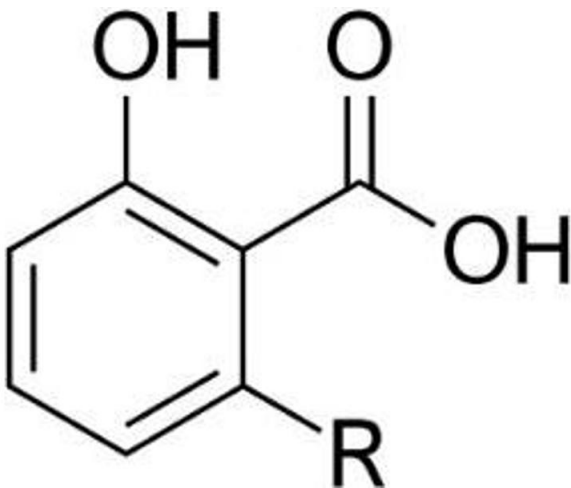
Restrictions: For Research Use only

Handling

Format: Powder

Storage: -20 °C

Images



Molecule

Image 1. /