



1. Identification

Catalogue Number

B287550

Lot Number

5-MIE-114-1

Product Name

Benzo[a]pyrene Diol Epoxide (>90%)

Synonyms

(7R,8S,8aS,9aR)-rel-7,8,8a,9a-Tetrahydrobenzo[10,11]chryseno[3,4-b]oxirene-7,8-diol;
(7α,8β,8αα,9αα)-7,8,8a,9a-Tetrahydrobenzo[10,11]chryseno[3,4-b]oxirene-7,8-diol; (±)-7α,8β-Dihydroxy-9β,10β-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene; (±)-7β,8α-Dihydroxy-9α,10α-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene; (±)-anti-BPDE; anti-Benzo[a]pyrene-7,8-diol-9,10-epoxide; trans-7,8,9,10-tetrahydrobenzo[a]pyrene-7,8-diol-9,10-epoxide

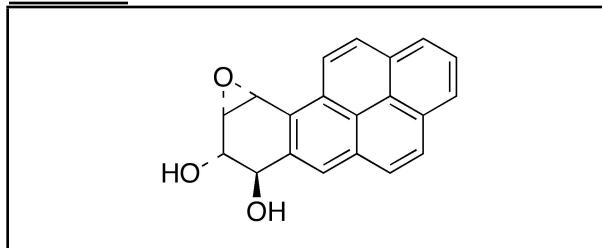
CAS Number

58917-67-2

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C20 H14 O3

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere, Light sensitive

Molecular Weight

302.32

Purity

>90%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

Pale Yellow to Yellow Solid

Results

Pale Yellow to Light Yellow Solid

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed.
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Sadaf Samadi

Quality Assurance Associate

Test Date

5/12/2025

Retest Date

5/10/2029