

1. Identification

Catalogue Number

B522613

Lot Number

711981665-2-1

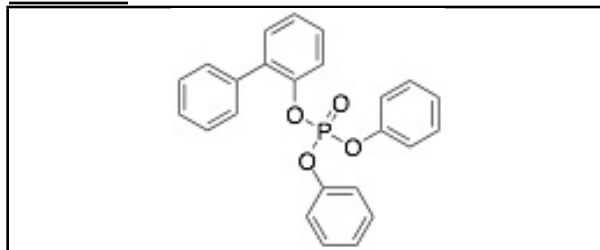
Product Name

2-Biphenyllyl diphenyl phosphate

Synonyms

Diphenyl mono-o-xenyl phosphate; Diphenyl o-biphenyllyl phosphate; Dow 5; Dow Plasticizer 5; NSC 2889; o-Phenylphenyl bisphenyl phosphate; o-Phenylphenyl diphenyl phosphate; o-Xelenyl diphenyl phosphate

Structure



CAS Number

132-29-6

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₄H₁₉O₄P

Source of Product

N/A

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

402.38

Purity

>95%

2. Warnings

Unstable in Solution

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 71.25, %H: 4.70

HPLC Purity

>95%

99.85% (205 nm)

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



Chanell Chu

Quality Assurance Associate

Test Date

4/22/2024

Retest Date

4/20/2028