

1. Identification

Catalogue Number

B447393

Lot Number

5-RTW-105-1

Product Name

Bis(4-hydroxyphenyl) Sulfone -13C12

Synonyms

4,4'-sulfonylbisphenol-13C12; 1,1'-Sulfonylbis[4-hydroxybenzene]-13C12; 4,4'-Bisphenol S; 4,4'-Dihydroxydiphenyl Sulfone-13C12; 4,4'-Sulfonylbis[phenol]-13C12; 4,4'-Sulfonyldiphenol-13C12; 4-(4-Hydroxyphenylsulfonyl)phenol-13C12; 4-Hydroxyphenyl Sulfone-13C12; BPS 1-13C12; BPS-H-13C12; BPS-N-13C12; BPS-P-13C12; BS 3-13C12; BS 3 (phenol)-13C12; BS-PN-13C12; Bis(4-

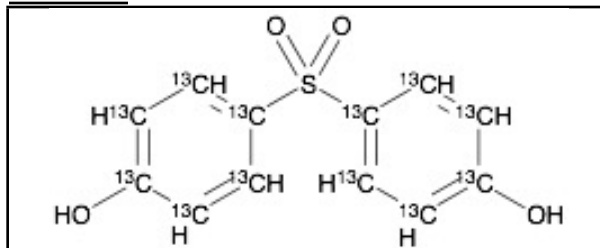
CAS Number

1991267-29-8

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

¹³C₁₂H₁₀O₄S

Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

262.18

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Light Pink Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	96.92% (260 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.0%

Additional Information

Normalized Intensity: ¹³C₀ = 0.04%, ¹³C₁ = 0.00%, ¹³C₂ = 0.01%, ¹³C₃ = 0.03%, ¹³C₄ = 0.04%, ¹³C₅ = 0.02%, ¹³C₆ = 0.03%, ¹³C₇ = 0.03%, ¹³C₈ = 0.01%, ¹³C₉ = 0.02%, ¹³C₁₀ = 0.47%, ¹³C₁₁ = 9.57%, ¹³C₁₂ = 89.75%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			7/18/2024	7/16/2028
Jingning Zhou	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		