



CERTIFICATE OF ANALYSIS

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1. Identification

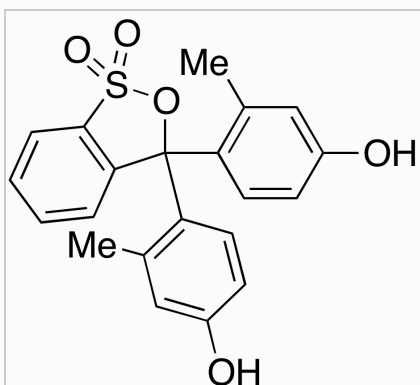
Catalogue Number: C782153

CAS Number: 2303-01-7

Product: m-Cresol Purple (Technical Grade)

Synonym: 4,4'-(1,1-Dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[3-methylphenol]; 3H-2,1-Benzoxathiole, phenol derivative; Metacresol Purple; m-Cresolsulfonephthalein; 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[3-methylphenol]-S,S-dioxide;

Structure:



Molecular Formula:

C₂₁H₁₈O₅S

Molecular weight:

382.43

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 2023-MYF-049

Purity: Technical Grade

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 65.74, %H: 4.59
MS	Conforms to Structure	Conforms
Appearance	Very Dark Grey to Black Solid	Very Dark Grey to Black Solid
FT-IR	Conforms to Structure	Conforms
UV Absorbance	Report Result	273 nm, 321 nm, 423 nm

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	10/18/2023	10/16/2027
				