



CERTIFICATE OF ANALYSIS

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1. Identification

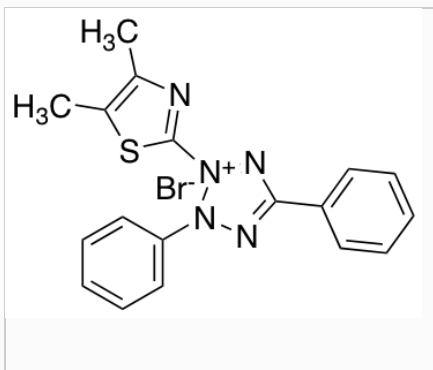
Catalogue Number: M760505

CAS Number: 298-93-1

Product: MTT

Synonym: 3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium Bromide

Structure:



Molecular Formula:

C₁₈H₁₆N₅SBr

Molecular weight:

414.32

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 711870352-1-1

Purity: 97%

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:
Appearance	Yellow to Dark Yellow Solid	Yellow to Dark Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.93, %H: 3.85, %N: 16.54
HPLC Purity	Report Result	99.30% (245 nm)
MS	Conforms to Structure	Conforms
Bromide Content	Report Result	20.1%

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 ± 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
Sarbjee Kaur	Toni Rantanen	Chanell Chu	9/27/2023	9/25/2027