

Product Name: MTT

Catalog No.: 5224

Batch No.: 10

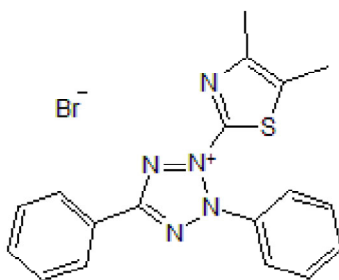
CAS Number: 298-93-1

EC Number: 206-069-5

IUPAC Name: 3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₁₈ H ₁₆ N ₅ SBr
Batch Molecular Weight:	414.32
Physical Appearance:	Dark yellow solid
Solubility:	PBS to 5 mg/ml
Storage:	Store at +4°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

Purity (Assay):	98.0%
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: 3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2*H*-tetrazolium bromide

Description:

MTT is a reagent used in the measurement of cell proliferation.

Physical and Chemical Properties:

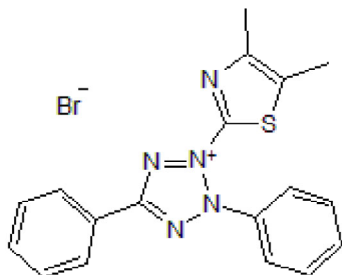
Batch Molecular Formula: C₁₈H₁₆N₅SBr

Batch Molecular Weight: 414.32

Physical Appearance: Dark yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

PBS to 5 mg/ml

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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