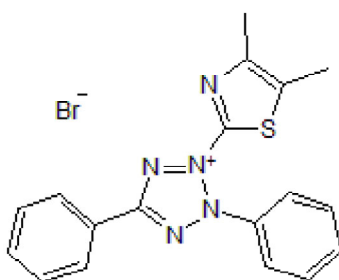


**Product Name:** MTT  
CAS Number: 298-93-1  
IUPAC Name: 3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide

**Catalog No.:** 5224      **Batch No.:** 12  
**EC Number:** 206-069-5

**1. PHYSICAL AND CHEMICAL PROPERTIES**

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



**2. ANALYTICAL DATA**

**Assay (HPLC):** 99.9%

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**Product Name:** MTT

**Catalog No.:** 5224

**12**

CAS Number: 298-93-1

EC Number: 206-069-5

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:**

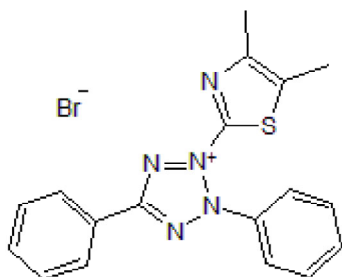
Batch Molecular Formula: C<sub>18</sub>H<sub>16</sub>N<sub>5</sub>SBr

Batch Molecular Weight: 414.32

Physical Appearance: 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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