

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

Molecular Formula: C₁₈H₁₆BrN₅S

Molecular Wt: 414.32

CAS: 298-93-1

Lot : JSEP11

SPECIFICATION PROPERTIES	STANDARD	RESULTS
Appearance	Yellow or orange powder	Conforms
Assay,%	≥98.0	98.30
Solubility (5mg/ml PBS)	Dark yellow clear solution	Conforms
Water content,%	≤1.0	0.8

Preparation:

It is soluble in water (10 mg/ml), ethanol (20 mg/ml) and 2-methoxyethanol (20mg/ml).

It is also soluble in buffered salt solutions and culture media (5 mg/ml).

Storage/Stability:

MTT is light sensitive.

Reconstituted MTT solution is stable for at least 6 months when stored frozen (-20 °C).

Storage of a reconstituted MTT solution at 2 - 8 °C for more than 2 weeks may cause decomposition and yield erroneous results.