



33611

Thiazolyl Blue Tetrazolium Bromide (MTT) extrapure AR, 98%

Part B

CAS : 298-93-1

Molecular Formula : C₁₈H₁₆N₅SBr

Molecular Weight : 414.32

Specifications

Appearance (Colour)	Yellow
Appearance (Form)	Crystalline powder
Solubility (Turbidity) 5% solution in Methanol	Clear
Solubility (Colour) 5% solution in methanol	Yellow
Assay	min. 98%
Absorbance (A) of 1% solution in Methanol in a 1cm cell @242nm	400 - 530

Other Information

Application

MTT is utilized for the detection of cell viability and cell proliferation studies. Since MTT has a positive charge, it can pass through a cell membrane and is reduced by mitochondria to form a purple color formazan dye. Organic solvents are required to dissolve MTT formazan dyes. MTT is also rapidly reduced to the formazan, which chelates with nickel, copper, and cobalt; the cobalt chelate has been used in oxidative systems.

General Information

Storage	2 to 8°C (Refrigerate)
Shelf Life	60 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
1 Gms	29270090 (GST 18%)
100 Mg	29270090 (GST 18%)
5 Gms	29270090 (GST 18%)
500 Mg	29270090 (GST 18%)
Type of Packing	
1 Gms	Glass Bottle

100 Mg

Glass Bottle

500 Mg

Glass Bottle

Available Packages

100 Mg

500 Mg

1 Gms

5 Gms

Disclaimer

The information represented here may/may not represent the entire product specification, application or protocol recommended by Sisco Research Laboratories Pvt. Ltd. (SRL). This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above. For actual batch related documents, mail us.

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400 099, Maharashtra, India. Telephone: +91-22-4268 5800, Email: info@srchem.com, website www.srchem.com
