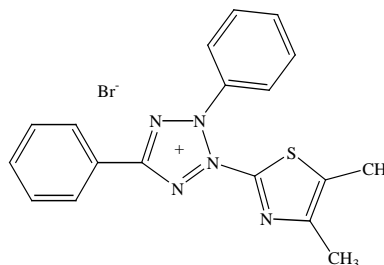


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: MTT**CATALOG #:** 10059**MOLECULAR INFORMATION:** C₁₈H₁₆BrN₅S
Mwt: 414.32
[298-93-1]**PROPERTIES:****Color & Form** Yellow solid
Purity ≥ 98%
Solubility Soluble in water (upto 10mg/ml)**STORAGE AND HANDLING:**

Store desiccated at 4 °C and protect from light.

APPLICATION:

MTT is a tetrazolium salt that is commonly used to detect reductive metabolism in cells for viability, proliferation and cytotoxicity assays. On reduction tetrazolium salts turn into deeply colored products that can be easily quantified by colorimetric measurement. MTT forms a purple formazan product that needs to be solubilized prior to quantification. MTT and XTT(10060, see below) are particularly useful for HTS of antiviral and anticancer compounds and for the studies of cytokine effect on cell proliferation

Ref: 1) *Prog Histochem Cytochem.* **9**(3), 1-56 (1976); 2) *Histochemistry*, **76**(2), 381-405(1982); 3) *Antimicro Agents Chemother.* **36**, 1619(1992); 4) *Cancer Res.* **48**, 4827(1988); 5) *Parasitology* **107**, 175(1993); 6) *J. Immunol. Meth.* **147**, 153(1992)

TOXICITY: Unknown.**FIRST AID:**

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

Disclaimer: Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.