

MTT

Catalog No: tcsc3043



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

298-93-1

Formula:

$C_{18}H_{16}BrN_5S$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 32 mg/mL (77.23 mM); H₂O : 0.88 mg/mL (2.12 mM); Need ultrasonic and warming)

Alternative Names:

Thiazolyl Blue;Thiazolyl Blue Tetrazolium Bromide;Methylthiazolyldiphenyl-tetrazolium bromide

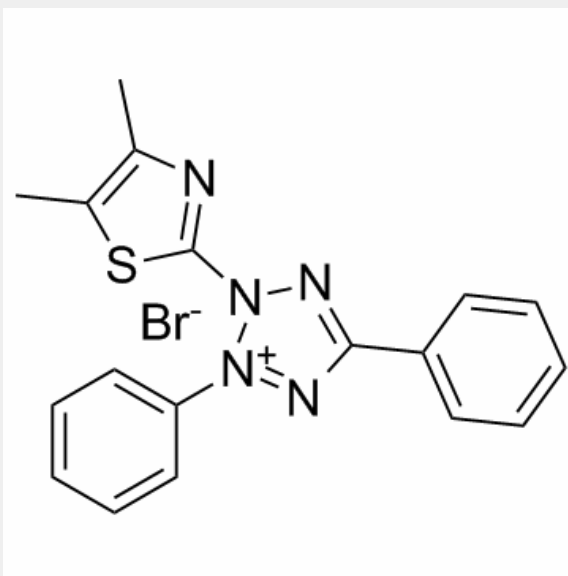
Observed Molecular Weight:

414.32

Product Description

MTT is a colorimetric agent widely used to measure cell proliferation. MTT is reduced from yellow color to purple formazan in living cells.

In Vitro: MTT is used in conjunction with rhodamine B to measure mitochondrial membrane potential. MTT-formazan is generated in mitochondria acts as a fluorescence quencher for rhodamine that distributes across membranes of viable cells according to membrane potential. In the absence of mPMS, cellular reduction of MTT is strong. MTT is membrane-impermeable when incorporated into large unilamellar liposomes, and therefore it is taken up by cells via endocytosis^[1].



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