MP Biomedicals, LLC
29525 Fountain Parkway
Solon, Ohio 44139
Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: http://www.mpbio.com

TECHNICAL INFORMATION

Catalog Number: 102227, 194592
3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide

Structure:

![Structure Diagram]

Molecular Formula: C<sub>18</sub>H<sub>16</sub>N<sub>5</sub>SBr
Molecular Weight: 414.32
CAS #: 298-93-1
Synonyms: MTT; Thiazolyl Blue
Physical Appearance: Yellowish orange crystalline powder
Purity: ~98%
Solubility: Soluble in methyl alcohol (heat), methanol (10 mg/ml with heat - clear, yellow solution) and water (5 mg/ml-clear to very slightly hazy, yellow to bright yellow solution)

References:

– G.G. Carmichael, "p-Benzquinone and p-hydroquinone as histochemical reagents. II. Factors influencing the rate or


