TECHNICAL INFORMATION

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

Structure:

![](structure.png)

Molecular Formula: C\textsubscript{18}H\textsubscript{16}N\textsubscript{5}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-Benzoquinone and p-hydroquinone as histochemical reagents. II. Factors influencing the rate or formazan production in the trazolium-lipoprotein reaction, and the elaboration of a system for quantitative dehydrogenase histochemistry", *Histochemie*, 16, 299 (1968).


