

Product Datasheet

GC4568 - Thiazolyl blue tetrazolium bromide

Hazard Codes H315, H336, H335, H319
Precautionary Codes P280, P261, P302+P352, P305+P351+P338

Pictograms



Product Details

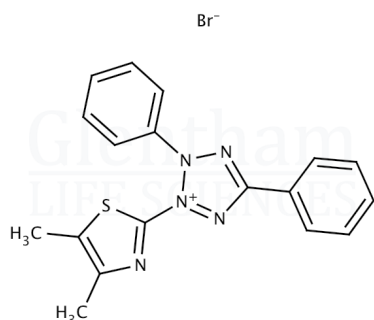
Product Name Thiazolyl blue tetrazolium bromide
Glenthams Code GC4568
CAS Number 298-93-1
EINECS 206-069-5
MDL Number MFCD00011964
PubChem SID 310280865
Related Categories Biochemicals, Dyes & Stains, Reagents for Cell Culture, Enzyme Substrates

Glenthams Product Specification

Physical Description : Pale yellow to yellow crystalline powder
Solubility (0.5% in water) : Clear, yellow to yellow-green solution
Wavelength of Maximum Absorption (λ_{max}) : 239.0 - 246.0 nm (in water)
Assay : $\geq 98.0\%$
Version : v1.2

Structure

Molecular Weight : 414.33
Molecular Formula : $C_{18}H_{16}BrN_5S$



About Thiazolyl blue tetrazolium bromide

Thiazolyl Blue Tetrazolium Bromide, often called MTT, is a membrane-permeable dye that initially produces a yellow solution. MTT is converted to MTT-formazan (a dark blue product) by mitochondrial dehydrogenases present in live cells. For this reason, MTT is used as a quantitative indicator in cell proliferation and cell viability assays.

Storage

Recommended storage temperature: +4°C.

Hazards and Transport

Not classified as dangerous for transport.
CLP Classification Skin Irr. 2, STOT SE 3, STOT SE 3, Eye Irr. 2A
Signal Word Warning

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