

ABTS

Cat. No. CSUB-0406

Lot. No. (See product label)

Introduction

Applications

2,2'-Azino-bis(3-ethylbenzthiazoline-6-sulfonic acid) is a peroxidase substrate suitable for use in ELISA procedures. This substrate produces a soluble end product that is green in color and can be read spectrophotometrically at 405 nm. The reaction may be stopped with 1% sodium dodecyl sulfate (SDS). Recommended for ELISA (microwell) procedures, not recommended for membrane applications. ABTS (C₁₈H₁₆N₄O₆S₄·(NH₄)₂) is a peroxidase substrate for ELISA.

Synonyms

2, 2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt; 2, 2'-azino-di-[3-ethylbenzthiazoline sulfonate (6)]; AzBTS-(NH₄)₂, Diammonium 2, 2'-azino-bis(3-ethylbenzothiazoline-6-sulfonate); azino-di-[3-ethylbenzthiazoline sulfonate (6)]

Product Information

CAS No. 30931-67-0

Molecular Formula C₁₈H₂₄N₆O₆S₄

Molecular Weight 548.68

Solubility : soluble 50 mg/mL

Substrates Peroxidase Substrates

Usage and Packaging

Preparation Instructions

Working concentration: ABTS should be dissolved as follows: 100 mg ABTS in 100 ml 3.25 mM sodium perborate, 39.8 mM citric acid, 60 mM disodium hydrogen phosphate, pH 4.4-4.5 (see also PI of SA-peroxidase). This buffer corresponds to the single reagent ABTS-Buffer, Cat. No. 1204530. The formed product is green and soluble in water. Measurement at 405 nm. Dilution of ABTS: ABTS/ buffer solution (9.1 mM ABTS; pH 5.0): 99.9 mg ABTS in 20 ml potassium phosphate buffer (0.1M; pH 5.0).

Storage and Shipping Information

Shipping Conditions wet ice