Creative Enzymes®

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 in 100ml 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