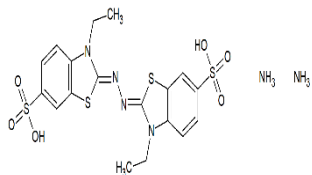


ABTS™ (solid)

ALTERNATE NAME: 2,2'-(1,2-hydrazinediylidene)bis[3-ethyl-2,3-dihydro-6-benzothiazolesulfonic acid, diammonium salt

CATALOG #: B2711-1G 1 g
B2711-5G 5 g

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₂₄N₆O₆S₄

MOLECULAR WEIGHT: 548.68

CAS NUMBER: 30931-67-0

APPEARANCE: Light green powder

PURITY: ≥98% by HPLC

SOLUBILITY: ~10 mg/ml DMSO
>40 mg/ml Water

DESCRIPTION: ABTS is considered a safe and sensitive substrate compatible for horseradish peroxidase (HRP) based ELISA assays. In the presence of hydrogen peroxide and HRP, ABTS is oxidized to a radical cation with an absorption maxima at 820 nm, 734 nm, 650 nm and 405 nm. The latter frequency demonstrates a significant molar extinction coefficient and is generally employed for most ABTS assays. Stopping the reaction with acid does not alter the 405 nm spectrum allowing kinetic and endpoint methods to be measured at the same wavelength.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

TMB, Ultrasensitive (1215)
 ABTS™ Solution (1212)
 TMB, High Kinetics (1216)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*