Creative Enzymes®

CDP-Star Chemiluminescent Substrate

Cat. No. CSUB-0021

Lot. No. (See product label)

Introduction

Applications	CDP-Star is a sensitive, chemiluminescent substrate for alkaline phosphatase that allows for the rapid, reproducible detection of alkaline phosphatase-labeled molecules in Northern, Southern, and Western blotting applications. Detection of alkaline phosphatase-labeled molecules with CDP-Star is extremely sensitive as a result of low background luminescence coupled with high intensity and prolonged light output from the enzyme catalysis. Following exposure to alkaline phosphatase-labeled molecules, maximum light emission occurs at approximately 60 minutes and continues for up to 24 hours, allowing for multiple film exposures and/or the sensitive detection of targets present in small amounts. For convenience, CDP-Star is supplied as a 0.25 mM, ready-to-use aqueous solution (i.e. no dilution is necessary). CDP-Star functions on both neutral and positively-charged nylon, giving the reagent added application versatility.
Synonyms	Disodium 2-chloro-5-(4-methoxyspiro[1, 2-dioxetane-3, 2'-(5-chlorotricyclo[3.3.1.13.7]decan])-4-yl]-1-phenyl phosphate

Product Information

CAS No.	160081-62-9
Molecular Formula	C18H19Cl2O7Na2P
Molecular Weight	495.20
Concentration	0.25 mM in H2O
Substrates	Alkaline Phosphatase

Storage and Shipping Information

Storage	2-8°C