

ADHP [10-Acetyl-3,7-dihydroxyphenoxazine]

Cat. No. DYE-164 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description 10-Acetyl-3,7-dihydroxyphenoxazine (ADHP) is a highly sensitive, stable substrate for horseradish peroxidase (HRP) that enables selective detection of H₂O₂. This colorless, non-fluorescent reagent reacts with H₂O₂ to produce the fluorescent compound resorufin, which can be analyzed using an excitation wavelength of 520-550 nm and an emission wavelength of 585-595 nm. In a 96-well plate format, ADHP enables detection of H₂O₂ at a concentration as low as 5 pmol per 100 µl sample.

CAS number 119171-73-2

Molecular Mass 257.24

Formula C₁₄H₁₁NO₄

Ex(nm) 571

Em(nm) 585

Solvent DMSO

Storage Store at -20°C in the dark. Dessicated.

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