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DDAO phosphate

Catalog Number	Packaging Size
C276	2 mg

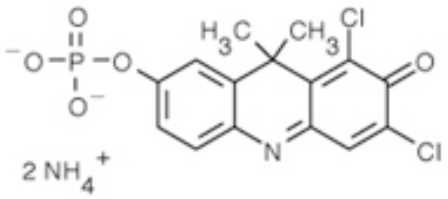
Storage upon receipt: -20°C, protected from light

Introduction

The phosphatase substrate **DDAO phosphate** [9*H*-(1,3-dichloro-9,9-dimethylacridin-2-one-7-yl) phosphate, diammonium salt] yields a hydrolysis product that can be excited with the 633 nm laser (excitation/emission maxima ~646/659). Although the substrate itself is fluorescent (excitation/emission maxima ~460/610 nm), the difference between the substrate's excitation maximum and that of its hydrolysis product is over 200 nm, allowing the two species to be easily distinguished.

Specifications

Label:	DDAO
Ex/Em:	646/659 nm
Detection Method:	Fluorescent
Molecular Formula:	$C_{15}H_{18}Cl_2N_3O_5P$
Molecular Weight:	422.20
CAS Number:	500883-59-0
Storage Conditions:	-20°C, protect from light
Shipping Condition:	Room Temperature



Applications

Phosphatase Substrate

References:

1. Simultaneous trichromatic fluorescence detection of proteins on Western blots using an amine-reactive dye in combination with alkaline phosphatase- and horseradish peroxidase-antibody conjugates.Simultaneous trichromatic fluorescence detection of proteins on Western blots using an amine-reactive dye in combination with alkaline phosphatase- and horseradish peroxidase-antibody conjugates.
   Martin K, Hart C, Liu J, Leung WY, Patton WF
   Proteomics (2003) 3:1215-1227
2. Single-molecule detection technologies in miniaturized high-throughput screening: fluorescence intensity distribution analysis.Single-molecule detection technologies in

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Haupts U, Rudiger M, Ashman S, Turconi S, Bingham R, Wharton C, Hutchinson J, Carey C, Moore KJ, Pope AJ
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3. Global quantitative phosphoprotein analysis using multiplexed proteomics technology.Global quantitative phosphoprotein analysis using multiplexed proteomics technology.
Steinberg TH, Agnew BJ, Gee KR, Leung W-Y, Goodman T, Schulenberg B, Hendrickson J, Beechem JM, Haugland RP, Patton WF
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