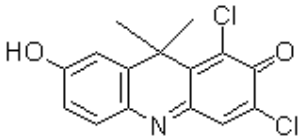
FT-M1367A

DDAO

Red fluorescence reference standard and fluorophore for preparation of enzyme substrates

Product Description

Name :	**DDAO** 7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one)
Catalog Number :	FP-M1367A, 10mg FP-M1367B, 25mg
Molecular Weight :	MW= 308.17
Solubility:	DMSO
Absorption / Emission :	$\lambda_{exc}\backslash\lambda_{em}$ (MeOH) = 646/659 nm
EC (M^{-1} cm^{-1}) **:**	45000 ± 4000



Storage: Room temperature. Protect from light and moisture

Introduction

DDAO [7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one)] is used as a calibration standard for DDAO-based enzyme substrates. It has pH-dependent red fluorescence with excitation close the He-Ne red laser 633 nm.

Directions for use

Guidelines for use

Protocol may be found in the literature.

References

• Direct influence of S9 liver homogenate on fluorescence signals: impact on practical applications in a bacterial genotoxicity assay. Dreier J, Breitmaier EB, Gocke E, Apfel CM, Page MG. Journal, Mutat Res (2002) 513:169-182 Zinselmeyer BH, Beggbie N, Uchegbu IF, Schatzlein AG. J Control Release 91, 201-8 (2003)
• Krebs JF, Armstrong RC, Srinivasan A, Aja T, Wong AM, Aboy A, Sayers R, Pham B, Vu T, Hoang K, Karanewsky DS, Leist C, Schmitz A, Wu JC, Tomaselli KJ, Fritz LC. J Cell Biol 144, 915-926 (1999)
• Corey PF, Trimmer RW, Biddlecom WG. Angew Chem Int Ed Engl 30, 1646 (1991)

FT-M1367A

Technical and scientific information

Related products

- DDAO phosphate, FP-73967A
- DDAO galactosidase, FP-M1369A
- Amplite Fluorimetric Alkaline Phosphatase Assay Kit, JQ6750

Ordering information

Catalog size quantities and prices may be found at http://www.interchim.com.
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06