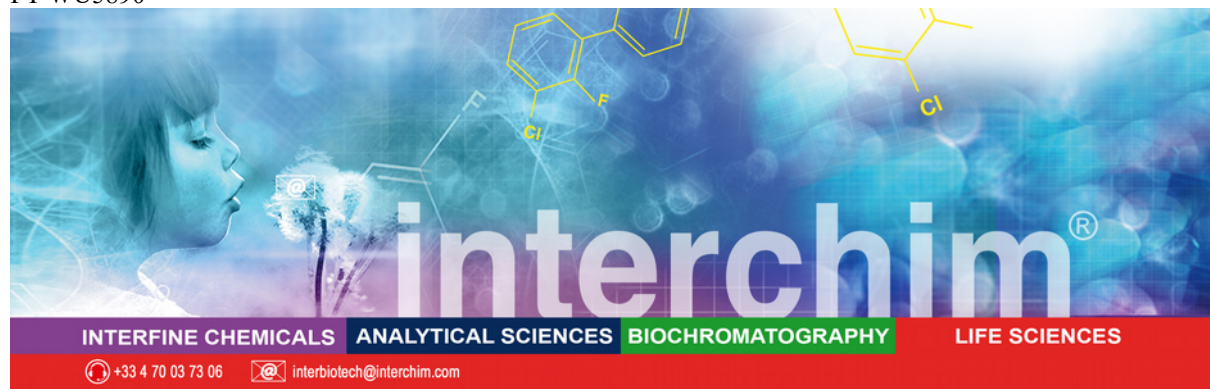


FT-WU5890

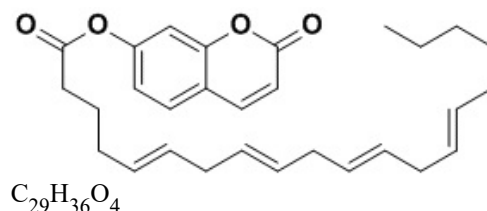


Umbelliferyl Arachidonate

A PLA2 fluorogenic substrate

Product Description

Name :	Umbelliferyl Arachidonate 7-hydroxycoumarinyl Arachidonate
Catalog Number :	FP-WU5890, 25mg
Molecular Weight :	CAS [161180-11-6] MW= 448.59
Solubility:	Soluble in DMSO (50 mg/ml), ethanol (35mg/ml), ethanol:PBS (pH 7.2)(1:1) (~50µg/ml), DMF, and water (50µg/ml) at 25°C.
Absorption / Emission :	$\lambda_{exc} \backslash \lambda_{em}$ (MeOH) = 335/450 nm
EC (M⁻¹ cm⁻¹) :	9,500 ± 900 cm ⁻¹ M ⁻¹



Storage: -20°C Protect from light and moisture

Introduction

Umbelliferyl Arachidonate is a PLA2 fluorogenic substrate for use in assays with phospholipid and Ca²⁺. It is for use with purified enzymes, as this substrate is nonspecific. Umbelliferyl Arachidonate is ideal for drug discovery, HTS, and similar applications.

Directions for use

Guidelines for use

Protocol may be found in the literature.

References

- ✓ **Fonteh A. et al.**, Alterations in cerebrospinal fluid glycerophospholipids and phospholipase A2 activity in Alzheimer's disease, *J. Lipid Res.*, 54: 2884 – 2897 (2013) [Article](#)
- ✓ **Ono T. et al.**, Characterization of a novel inhibitor of cytosolic phospholipase A2 α , pyrrophenone, *Biochem. J.*, 363: 727 – 735 (2002) [Article](#)
- ✓ **Pickard R., et al.**, Identification of Essential Residues for the Catalytic Function of 85-kDa Cytosolic Phospholipase A2: PROBING THE ROLE OF HISTIDINE, ASPARTIC ACID, CYSTEINE, AND ARGININE, *J. Biol. Chem.*, Aug 271: 19225 – 19231 (1996). [Article](#)

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

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