



Europa Bioproducts Ltd

15-17 North Street • Wicken
Ely • Cambridge • CB7 5XW
Tel: 0044 (0)1353-721118
Fax: 0044 (0)1353-624589

Indo 1-AM

Item# Unit Size
I005-10 1 mg

Chemical Name: 1-[2-Amino-5-(6-carboxy-2-indolyl)phenoxy]-2-(2-amino-5-methylphenoxy)ethane-N,N,N',N'-tetraacetic acid, pentaacetoxymethyl ester **CAS:** 112926-02-0

Appearance: Greenish brown solid

Purity: ≥ 97.0 % (HPLC)

MW: 1009.91, $C_{47}H_{51}N_3O_{22}$

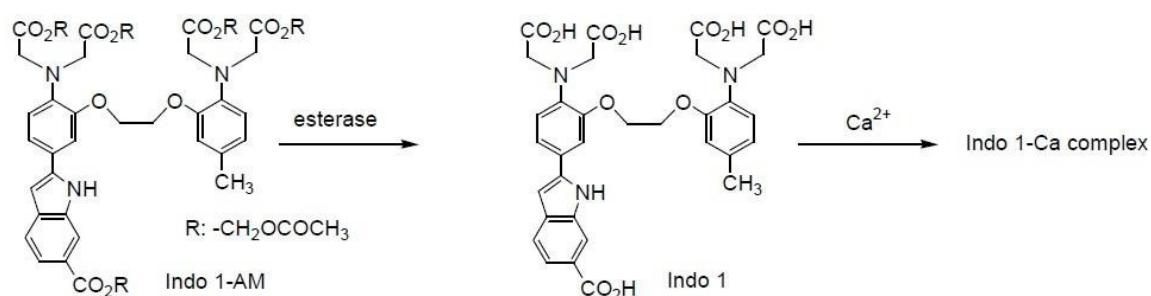
Storage Condition: -20°C , protect from light

Shipping Condition: ambient temperature

Product Description

Indo 1 is another type of improved calcium indicator that can be used in ratiometry, including when using a flow cytometer. Two separate wavelengths in the emission spectrum, usually at 410 nm and 480 nm, are measured in the ratiometry of Indo 1. Indo 1 is reported to have better properties for localization than Fura 2 after being loaded into cells. Indo 1-AM is an acetoxymethyl ester derivative of Indo 1 that can be loaded into cells by incubation.

Hydrolysis of AM ester



CERTIFICATE NO. 3222

E.mail: info@europa-bioproducts.com

Web site: <http://www.europa-bioproducts.com>

Registered Office: 15-17 North Street, Wicken, Ely, Cambridgeshire CB7 5XW

Registered Number: 2703381