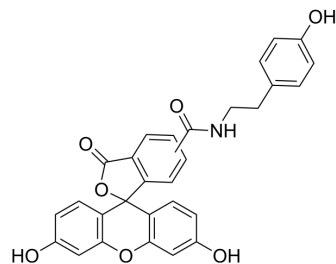


Fluorescein tyramide

Cat. No.:	HY-131008		
CAS No.:	210236-90-1		
Molecular Formula:	C ₂₉ H ₂₁ NO ₇		
Molecular Weight:	495.49		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Fluorescein tyramide is a green fluorescent reagent (λ_{abs} : 494 nm; λ_{em} : 517 nm). Fluorescein tyramide is widely used for tyramide signal amplification (TSA) with a low-abundance in IHC, ICC, in situ hybridization (FISH) and flow cytometry (FCM) applications^{[1][2]}.

In Vitro

HRP catalyzes localized deposition of multiple tyramide molecules (catalyzed reporter deposition, CARD), binding the fluorescein tyramide to adjacent tyrosines to enhance fluorescent signal.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A H Hopman, et al. Rapid synthesis of biotin-, digoxigenin-, trinitrophenyl-, and fluorochrome-labeled tyramides and their application for In situ hybridization using CARD amplification. *J Histochem Cytochem.* 1998 Jun;46(6):771-7.

[2]. R P van Gijlswijk, et al. Fluorochrome-labeled tyramides: use in immunocytochemistry and fluorescence in situ hybridization. *J Histochem Cytochem.* 1997 Mar;45(3):375-82.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA