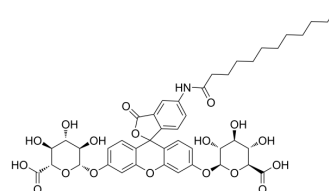


C12FDGlcU

Cat. No.:	HY-D1578
CAS No.:	423762-14-5
Molecular Formula:	C ₄₄ H ₅₁ NO ₁₈
Molecular Weight:	881.87
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

C12FDGlcU is a lipophilic analog of fluorescein di-β-D-glucuronic acid. C12FDGlcU can be useful for the detection of β-glucuronidase (GUS) gene expression. C12FDGlcU can enter the cells and then be cleaved by β-glucuronidase, generating the yellow-colored, green-fluorescent fluorescein (Abs/Em of the reaction product: 495/518 nm)^{[1][2]}.

REFERENCES

[1]. A simple and general method for transferring genes into plants. *Science*. 1985 Mar 8;227(4691):1229-31.

[2]. A J Fleming, et al. Fluorescent imaging of GUS activity and RT-PCR analysis of gene expression in the shoot apical meristem. *Plant J*. 1996 Oct;10(4):745-54.

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