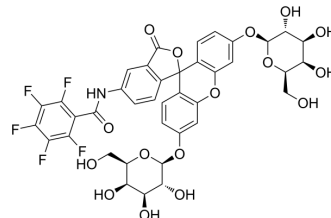


PFB-FDG

Cat. No.:	HY-D1699
CAS No.:	209540-64-7
Molecular Formula:	C ₃₉ H ₃₂ F ₅ NO ₁₆
Molecular Weight:	865.66
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PFB-FDG is a non-fluorescent galactosidase substrate that can be hydrolysed to green fluorescent PFB-F (Ex=485 nm, Em=535 nm). PFB-FDG can be used for the determination of β -galactosidase activity ^[1] .
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <p>Measurement of β-galactosidase activity^[1]:</p> <ol style="list-style-type: none"> 1. Incubate 2×10^5 cells with 50 μg/mL of PFB-FDG in serum-free DMEM containing 25 mM Hepes (pH 7.4) for 2 h at 37\circ. 2. Wash cells once with ice-cold PBS. 3. Analyze cells by flow cytometry (Ex=485 nm, Em=535 nm). <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Navarrete Santos A, et al. Evidences for age-related modulation of human hematopoietic progenitor cell proliferation. *Exp Gerontol.* 2008 Nov;43(11):1033-8.

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