



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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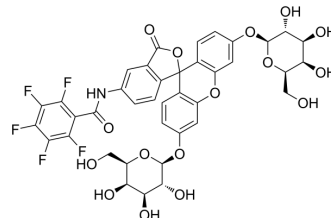
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PFB-FDG

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:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (115.52 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.1552 mL	5.7759 mL	11.5519 mL
	5 mM		0.2310 mL	1.1552 mL	2.3104 mL
	10 mM		0.1155 mL	0.5776 mL	1.1552 mL

Please refer to the solubility information to select the appropriate solvent.

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

Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).

Measurement of β -galactosidase activity^[1]:

1. Incubate 2×10^5 cells with 50 μ g/mL of PFB-FDG in serum-free DMEM containing 25 mM Hepes (pH 7.4) for 2 h at 37 $^{\circ}$ C. (Mononuclear cells for example, different cell concentrations vary)
2. Wash cells once with ice-cold PBS.
3. Analyze cells by flow cytometry (Ex=485 nm, Em=535 nm).

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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