



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

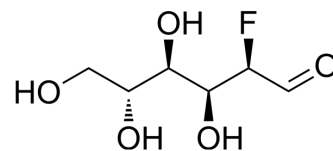
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

2-Deoxy-2-fluoro-D-glucose

Cat. No.: HY-141637
CAS No.: 29702-43-0
Molecular Formula: C₆H₁₁FO₅
Molecular Weight: 182.15
Target: Biochemical Assay Reagents
Pathway: Others
Storage: -20°C, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (549.00 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.4900 mL	27.4499 mL	54.8998 mL
	5 mM		1.0980 mL	5.4900 mL	10.9800 mL
	10 mM		0.5490 mL	2.7450 mL	5.4900 mL

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

BIOLOGICAL ACTIVITY

Description

2-Deoxy-2-fluoro-D-glucose, a radiolabeled glucose analog, is commonly used in medical imaging techniques such as positron emission tomography (PET) scans. FDG has unique chemical properties that allow it to be taken up by cells that actively metabolize glucose, such as cancer cells or inflamed tissue. Once absorbed, FDG emits positrons that can be detected in 2-Deoxy-2-fluoro-D-glucose scans, producing images that highlight areas of high metabolic activity in the body. This makes it a useful tool for diagnosing and monitoring a variety of diseases, including cancer and neurological disorders.

In Vitro

2-Deoxy-2-fluoro-D-glucose is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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