



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

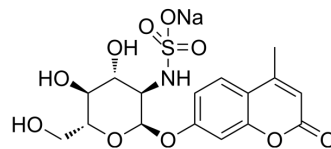
mail@szabo-scandic.com

www.szabo-scandic.com

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

4-MU- α -GlcNS sodium

Cat. No.:	HY-D1632
CAS No.:	460085-45-4
Molecular Formula:	C ₁₆ H ₁₈ NNaO ₁₀ S
Molecular Weight:	439.37
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4-MU- α -GlcNS sodium is a fluorogenic substrate of heparin sulphamidase, is desulfurized into 4-MU- α -GlcNH₂. 4-MU- α -GlcNH₂ can liberate 4-methylumbelliferone (4-MU, fluorescent product) via α -glucosaminidase catalysis, with the emission wavelength maxima of 445-454 nm. 4-MU- α -GlcNS sodium can be used to heparin sulphamidase deficiencies associated with Mucopolisaccharidosis IIIA and other lysosomal disorders researches^{[1][2][3]}.

REFERENCES

- [1]. Karpova EA, et al. A fluorimetric enzyme assay for the diagnosis of Sanfilippo disease type A (MPS IIIA). *J Inherit Metab Dis.* 1996;19(3):278-85.
- [2]. Dasgupta F, et al. Synthesis of 7-O-(2-deoxy-2-sulfamido- α -D-glucopyranosyl)-4-methylcoumarin sodium salt: a fluorogenic substrate for sulfamidase. *Carbohydr Res.* 2002 Jun 5;337(11):1055-8.
- [3]. G. Civallero, et al. Assay of heparan-N-sulfamidase in dried leukocytes impregnated in filter paper: A new tool for the identification of Mucopolisaccharidosis IIIA and potentially other lysosomal disorders, *Molecular Genetics and Metabolism.* 2013;108(4): 267-268.

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