



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

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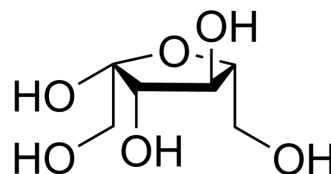
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β-D-Fructose

Cat. No.:	HY-113319
CAS No.:	53188-23-1
Molecular Formula:	C ₆ H ₁₂ O ₆
Molecular Weight:	180.16
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	RT, sealed storage, away from moisture and light



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (693.83 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.5506 mL	27.7531 mL	55.5062 mL
	5 mM	1.1101 mL	5.5506 mL	11.1012 mL
	10 mM	0.5551 mL	2.7753 mL	5.5506 mL

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

BIOLOGICAL ACTIVITY

Description

β-D-Fructose is a β-fruit sugar that can be produced by the hydrolysis of sucrose. β-D-Fructose can be used as a sweetness potentiator. β-D-Fructose can be designed as a units of antiproliferative agents against breast (MCF-7) and colon (MDST8) cancer cell lines^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Carreiro EP, et al. Novel hydroxyamides and amides containing D-glucopyranose or D-fructose units: Biological assays in MCF-7 and MDST8 cell lines. *Bioorg Med Chem Lett.* 2016 Feb 1;26(3):1039-1043.

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

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