



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

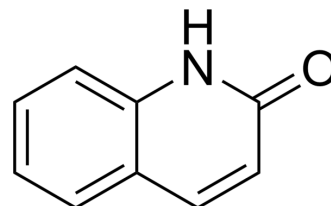
mail@szabo-scandic.com

www.szabo-scandic.com

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

2-Hydroxyquinoline

Cat. No.:	HY-W005598		
CAS No.:	59-31-4		
Molecular Formula:	C ₉ H ₇ NO		
Molecular Weight:	145.16		
Target:	Glucosidase		
Pathway:	Metabolic Enzyme/Protease		
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 (688.89 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.8889 mL	34.4447 mL	68.8895 mL
	5 mM		1.3778 mL	6.8889 mL	13.7779 mL
	10 mM		0.6889 mL	3.4445 mL	6.8889 mL

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

BIOLOGICAL ACTIVITY

Description

2-Hydroxyquinoline is a potent α -glucosidase inhibitor with IC₅₀ values of 64.4, 130.5 μ g/mL for α -glucosidase and α -amylase, respectively. 2-Hydroxyquinoline has the potential for the research of diabetes^[1].

IC₅₀ & Target

IC₅₀: 64.4 μ g/mL (α -glucosidase); 130.5 μ g/mL (α -amylase)^[1]

REFERENCES

[1]. Hwa-Won Lee, et al. 2-Hydroxyquinoline and Its Structural Analogs Show Antidiabetic Effects against α -Amylase and α -Glucosidase. Journal of Applied Biological Chemistry (2015) 58(1), 1-3.

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