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Produktinformation



Forschungsprodukte & Biochemikalien



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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

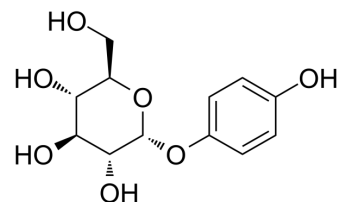
mail@szabo-scandic.com

www.szabo-scandic.com

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

α -Arbutin

Cat. No.:	HY-N3002
CAS No.:	84380-01-8
Molecular Formula:	C ₁₂ H ₁₆ O ₇
Molecular Weight:	272.25
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 125 mg/mL (459.14 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	3.6731 mL	18.3655 mL	36.7309 mL
		5 mM	0.7346 mL	3.6731 mL	7.3462 mL
		10 mM	0.3673 mL	1.8365 mL	3.6731 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (183.65 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	α -Arbutin (4-Hydroxyphenyl α -D-glucopyranoside) is emerging as popular and effective skin whiteners, acting as tyrosinase inhibitor ^[1] .
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REFERENCES

[1]. Avonto C, et al. Comparative studies on the chemical and enzymatic stability of alpha- and beta-arbutin. Int J Cosmet Sci. 2016 Apr;38(2):187-93.

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