



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

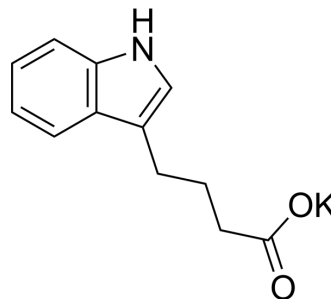
mail@szabo-scandic.com

www.szabo-scandic.com

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

Indole-3-butyric acid potassium

Cat. No.:	HY-N0186A
CAS No.:	60096-23-3
Molecular Formula:	C ₁₂ H ₁₂ KNO ₂
Molecular Weight:	241.33
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Indole-3-butyric acid (Indolebutyric acid) potassium is a plant growth auxin and a good rooting agent. It can promote herbs and woody ornamental plant rooting and used for improving fruit rate. Indole 3-butyric acid potassium is an auxin precursor, and is converted to indole 3-acetic acid (IAA) in a peroxisomal β -oxidation process ^[1] .	
IC₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite
In Vitro	Indole-3-butyric acid potassium (10 μ M) induces adventitious root (AR) formation in the thin cell layers (TCLs) ^[2] . Indole-3-butyric acid potassium (1 μ M) induces lateral root formation by the promotion of NO production in Arabidopsis ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

CUSTOMER VALIDATION

- ACS Omega. 2024 Feb 28;9(10):11870-11882.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Damodaran S, Strader LC. Indole 3-Butyric Acid Metabolism and Transport in Arabidopsis thaliana. Front Plant Sci. 2019 Jul 3;10:851.
- [2]. Fattorini L, et al. Indole-3-butyric acid promotes adventitious rooting in Arabidopsis thaliana thin cell layers by conversion into indole-3-acetic acid and stimulation of anthranilate synthase activity. BMC Plant Biol. 2017 Jul 11;17(1):121.
- [3]. Schlicht M, et al. Indole-3-butyric acid induces lateral root formation via peroxisome-derived indole-3-acetic acid and nitric oxide. New Phytol. 2013 Oct;200(2):473-482.

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