



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

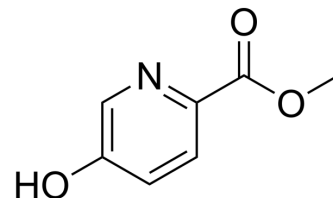
mail@szabo-scandic.com

www.szabo-scandic.com

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

Methyl 5-hydroxypyridine-2-carboxylate

Cat. No.:	HY-W005963
CAS No.:	30766-12-2
Molecular Formula:	C ₇ H ₇ NO ₃
Molecular Weight:	153.14
Target:	NO Synthase
Pathway:	Immunology/Inflammation
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (326.51 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.5301 mL	32.6505 mL	65.3010 mL
		5 mM		1.3060 mL	6.5301 mL	13.0602 mL
		10 mM		0.6530 mL	3.2651 mL	6.5301 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.33 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.33 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.33 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Methyl 5-hydroxypyridine-2-carboxylate is a phenolic acid that can found in the stems of Mahonia fortune. Methyl 5-hydroxypyridine-2-carboxylate exhibits NO inhibitory effects in vitro ^[1] .
In Vitro	Methyl 5-hydroxypyridine-2-carboxylate (compound 2) inhibits NO in LPS-stimulated RAW264.7 and BV2 cells, with IC ₅₀ s of 115.67 and 118.80 μM, respectively ^[1] . Methyl 5-hydroxypyridine-2-carboxylate (6.25-200 μM) does not exhibit any cytotoxic effect ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liu L, et, al. Simultaneous characterisation of multiple Mahonia fortunei bioactive compounds in rat plasma by UPLC-MS/MS for application in pharmacokinetic studies and anti-inflammatory activity in vitro. J Pharm Biomed Anal. 2020 Feb 5;179:113013.

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