



# 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

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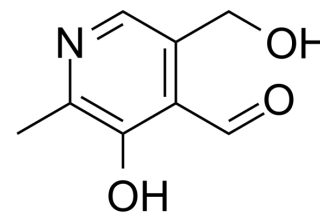
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## Pyridoxal hydrochloride

Cat. No.:	HY-W027446
CAS No.:	65-22-5
Molecular Formula:	C <sub>8</sub> H <sub>10</sub> ClNO <sub>3</sub>
Molecular Weight:	203.62
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



HCl

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 62.5 mg/mL (306.94 mM; ultrasonic and warming and heat to 60°C)  
H<sub>2</sub>O : 33.33 mg/mL (163.69 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.9111 mL	24.5555 mL	49.1111 mL
	5 mM	0.9822 mL	4.9111 mL	9.8222 mL
	10 mM	0.4911 mL	2.4556 mL	4.9111 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (491.11 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.08 mg/mL (10.22 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (10.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (10.22 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Pyridoxal hydrochloride is the hydrochloride form of Pyridoxal (HY-107469). Pyridoxal is one of the major forms of vitamin B6. Pyridoxal is phosphorylated by pyridoxal kinase to Pyridoxal phosphate (HY-B1744). Pyridoxal is oxidized by the liver to 4-Pyridoxic acid (HY-113493) which is excreted in the urine<sup>[1]</sup>.

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## REFERENCES

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[1]. Vrolijk MF, et al. The vitamin B6 paradox: Supplementation with high concentrations of pyridoxine leads to decreased vitamin B6 function. *Toxicol In Vitro*. 2017 Oct;44:206-212.

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

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