



# 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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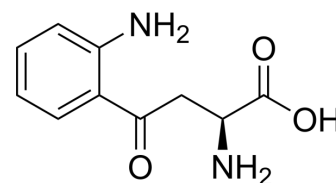
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## L-Kynurenine (Standard)

<b>Cat. No.:</b>	HY-104026R
<b>CAS No.:</b>	2922-83-0
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	208.21
<b>Target:</b>	Aryl Hydrocarbon Receptor; Endogenous Metabolite
<b>Pathway:</b>	Immunology/Inflammation; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 20 mg/mL (96.06 mM; Need ultrasonic)  
 DMSO : 12.5 mg/mL (60.04 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		4.8028 mL	24.0142 mL	48.0284 mL
	5 mM		0.9606 mL	4.8028 mL	9.6057 mL
	10 mM		0.4803 mL	2.4014 mL	4.8028 mL

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

### BIOLOGICAL ACTIVITY

#### Description

L-Kynurenine (Standard) is the analytical standard of L-Kynurenine. This product is intended for research and analytical applications. L-Kynurenine is a metabolite of the amino acid L-tryptophan. L-Kynurenine is an aryl hydrocarbon receptor agonist.

#### IC<sub>50</sub> & Target

Target: Aryl Hydrocarbon Receptor<sup>[1]</sup>

### CUSTOMER VALIDATION

- ACS Nano. 2020 Nov 25.
- Nat Commun. 2022 Sep 26;13(1):5644.
- J Exp Clin Cancer Res. 2023 Mar 1;42(1):52.
- J Anim Sci Biotechnol. 2023 Aug 5;14(1):111.

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- PLoS Pathog. 2020 Jul 17;16(7):e1008664.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Moyer BJ, et al. Inhibition of the aryl hydrocarbon receptor prevents Western diet-induced obesity. Model for AHR activation by kynurenine via oxidized-LDL, TLR2/4, TGF $\beta$ , and IDO1. Toxicol Appl Pharmacol. 2016 Jun 1;300:13-24.
- [2]. Sakakibara K, et al. Kynurenine causes vasodilation and hypotension induced by activation of KCNQ-encoded voltage-dependent K(+) channels. J Pharmacol Sci. 2015 Sep;129(1):31-7.
- [3]. Nozaki K, et al. Neuroprotective effects of L-kynurenine on hypoxia-ischemia and NMDA lesions in neonatal rats. J Cereb Blood Flow Metab. 1992 May;12(3):400-7.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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