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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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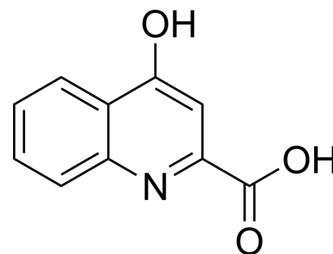
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Kynurenic acid (Standard)

Cat. No.:	HY-100806R
CAS No.:	492-27-3
Molecular Formula:	C ₁₀ H ₇ NO ₃
Molecular Weight:	189.17
Target:	iGluR; Endogenous Metabolite; Apoptosis; CXCR; GPR35
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease; Apoptosis; GPCR/G Protein; Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

0.1 M NaOH : 12.5 mg/mL (66.08 mM; ultrasonic and adjust pH to 9 with NaOH)
DMSO : 9 mg/mL (47.58 mM; Need ultrasonic and warming)
H₂O : < 0.1 mg/mL (ultrasonic) (insoluble)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.2863 mL	26.4313 mL	52.8625 mL
	5 mM		1.0573 mL	5.2863 mL	10.5725 mL
	10 mM		0.5286 mL	2.6431 mL	5.2863 mL

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

BIOLOGICAL ACTIVITY

Description

Kynurenic acid (Standard) is the analytical standard of Kynurenic acid. This product is intended for research and analytical applications. Kynurenic acid, an endogenous tryptophan metabolite, is a broad-spectrum antagonist targeting NMDA, glutamate, α7 nicotinic acetylcholine receptor. Kynurenic acid is also an agonist of GPR35/CXCR8.

IC₅₀ & Target

Target: GPR35^[1], NMDA, glutamate, glutamate, α7 nicotinic acetylcholine^[2]

CUSTOMER VALIDATION

- Nat Metab. 2023 Feb 13.
- J Anim Sci Biotechnol. 2023 Aug 5;14(1):111.

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- In Vitro Cell Dev Biol Anim. 2023 Jun 8.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Wang J, et al. Kynurenic acid as a ligand for orphan G protein-coupled receptor GPR35. J Biol Chem. 2006 Aug 4;281(31):22021-8.
- [2]. Albuquerque EX, et al. Kynurenic acid as an antagonist of $\alpha 7$ nicotinic acetylcholine receptors in the brain: facts and challenges. Biochem Pharmacol. 2013 Apr 15;85(8):1027-32.
- [3]. Małaczewska J, et al. Effect of oral administration of kynurenic acid on the activity of the peripheral blood leukocytes in mice. Cent Eur J Immunol. 2014;39(1):6-13.
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Caution: Product has not been fully validated for medical applications. For research use only.

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