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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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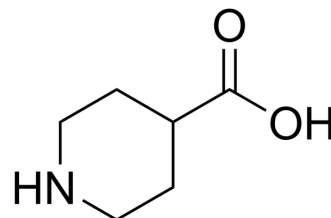
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Isonipecotic acid

Cat. No.:	HY-Y1176
CAS No.:	498-94-2
Molecular Formula:	C ₆ H ₁₁ NO ₂
Molecular Weight:	129.16
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (774.23 mM; Need ultrasonic)
DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		7.7423 mL	38.7117 mL	77.4233 mL
	5 mM		1.5485 mL	7.7423 mL	15.4847 mL
	10 mM		0.7742 mL	3.8712 mL	7.7423 mL

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

BIOLOGICAL ACTIVITY

Description	Isonipecotic acid is a GABAA receptor partial agonist ^[1] .
IC ₅₀ & Target	GABAA Receptor ^[1]
In Vitro	Isonipecotic acid inhibits [³H]GABA binding (2°C) with an IC₅₀ of 0.33 μM^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Krehan D, et al. Phosphinic, phosphonic and seleninic acid bioisosteres of isonipecotic acid as novel and selective GABA(C) receptor antagonists. *Neurochem Int.* 2003 Jun;42(7):561-5.

[2]. Falch E, et al. GABA-mimetic activity and effects on diazepam binding of aminosulphonic acids structurally related to piperidine-4-sulphonic acid. *J Neurochem.* 1985

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

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