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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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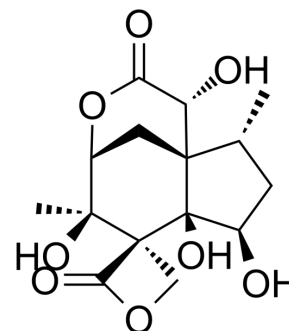
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Anisatin

Cat. No.:	HY-N9506
CAS No.:	5230-87-5
Molecular Formula:	C ₁₅ H ₂₀ O ₈
Molecular Weight:	328.31
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 0.33 mg/mL (1.01 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.0459 mL	15.2295 mL	30.4590 mL
	5 mM		---	---	---
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Anisatin, a pure toxic substance isolated from the seeds of a Japanese plant (*Illicium anisatum*) acts as a picrotoxin-like, non-competitive GABA antagonist. Anisatin suppresses GABA-induced currents in a concentration-dependent manner with an EC₅₀ of ~1.10 μM^[1].

In Vitro

Anisatin inhibits [³H]diazepam binding enhanced by either GABA or pentobarbital, without affecting the basal specific binding to rat brain membranes^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

In mice, the LD₅₀ reported for anisatin ranges from 0.76 to 1 mg/kg (po and ip)^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ikeda T, et al. Anisatin modulation of the gamma-aminobutyric acid receptor-channel in rat dorsal root ganglion neurons. Br J Pharmacol. 1999;127(7):1567-1576.

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

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