



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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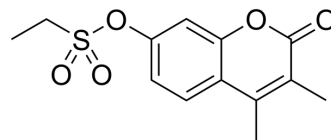
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Esuprone

Cat. No.:	HY-106770
CAS No.:	91406-11-0
Molecular Formula:	C ₁₃ H ₁₄ O ₅ S
Molecular Weight:	282.31
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Esuprone is a brain-penetrant, orally active and selective MAO A inhibitor with an IC ₅₀ of 7.3 nM. Esuprone can be used for neurological research ^{[1][2]} .
IC ₅₀ & Target	MAO-A 7.3 nM (IC ₅₀)
In Vivo	Esuprone (20 mg/kg, p.o., 2 h) significantly increased afterdischarge threshold (ADT) in rats by 130% above control ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Löscher W, et al. Inhibition of monoamine oxidase type A, but not type B, is an effective means of inducing anticonvulsant activity in the kindling model of epilepsy. *J Pharmacol Exp Ther.* 1999 Mar;288(3):984-92.

[2]. Bergström M, et al. MAO-A inhibition in brain after dosing with esuprone, moclobemide and placebo in healthy volunteers: in vivo studies with positron emission tomography. *Eur J Clin Pharmacol.* 1997;52(2):121-8.

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

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