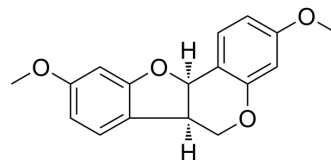


Homopteroicarpin

Cat. No.:	HY-N4037
CAS No.:	606-91-7
Molecular Formula:	C ₁₇ H ₁₆ O ₄
Molecular Weight:	284.31
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Homopteroicarpin is an isoflavonoid that can be isolated from *Pterocarpus erinaceus*. Homopteroicarpin has hepatoprotective and antioxidant properties. Homopteroicarpin is a competitive reversible inhibitor of human monoamine oxidase-B with an IC₅₀ and a K_i of 0.72 and 0.21 μM for hMAO-B, respectively. Homopteroicarpin can be used for the research of liver injury and oxidative stress^{[1][2]}.

REFERENCES

[1]. Akinmoladun AC, et al. Effect of homopteroicarpin, an isoflavonoid from *Pterocarpus erinaceus*, on indices of liver injury and oxidative stress in acetaminophen-provoked hepatotoxicity. *J Basic Clin Physiol Pharmacol*. 2015 Nov;26(6):555-62.

[2]. Oh JM, et al. Medicarpin and Homopteroicarpin Isolated from *Canavalia lineata* as Potent and Competitive Reversible Inhibitors of Human Monoamine Oxidase-B. *Molecules*. 2022 Dec 28;28(1):258.

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

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