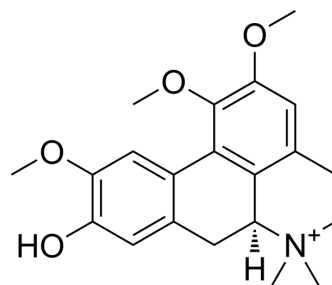


Xanthoplanine

Cat. No.:	HY-N1064
CAS No.:	6872-88-4
Molecular Formula:	C ₂₁ H ₂₆ NO ₄
Molecular Weight:	356.43
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Xanthoplanine, isolated from the root of *Xylopia parviflora*, fully inhibits the EC₅₀ ACh responses of both alpha7 and alpha4beta2 nACh receptors with estimated IC₅₀ values of 9 μM (alpha7) and 5 μM (alpha4beta2)^[1].

REFERENCES

[1]. Iturriaga-Vásquez P, et al. Aporphine metho salts as neuronal nicotinic acetylcholine receptor blockers. *Bioorg Med Chem*. 2007 May 15;15(10):3368-72.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA