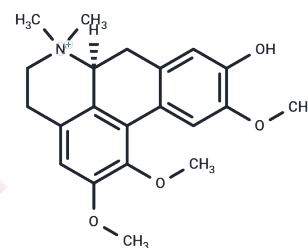


Xanthoplanine

Chemical Properties

CAS No. :	6872-88-4
Formula:	C ₂₁ H ₂₆ NO ₄
Molecular Weight:	356.44
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Xanthoplanine is a natural product isolated from the root of <i>Xylopia parviflora</i> , and inhibits the EC ₅₀ ACh responses of both alpha7 and alpha4beta2 nACh receptors (IC ₅₀ of 9 μM and 5 μM for alpha7 and alpha4beta2, respectively).
Targets(IC ₅₀)	Others, AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8055 mL	14.0276 mL	28.0552 mL
5 mM	0.5611 mL	2.8055 mL	5.611 mL
10 mM	0.2806 mL	1.4028 mL	2.8055 mL
50 mM	0.0561 mL	0.2806 mL	0.5611 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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