
Product Data Sheet

Product Name: O-Nornuciferine

Cat. No.: GC63129

Chemical Properties

Cas. No. 3153-55-7

Formula $C_{18}H_{19}NO_2$

M.Wt 281.35

Solubility DMSO : 50 mg/mL (177.71 mM; Need ultrasonic)

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

O-Nornuciferine, an aporphine-type alkaloid from lotus leaf, is a potent hERG channel inhibitor[1].

O-Nornuciferine has an IC₅₀ of 7.91 μ M in vitro hERG blockages measured in HEK293 cells[1]. O-Nornuciferine (100 μ M) has 47% hERG channel inhibition in Xenopus oocytes by lotus alkaloids[1].

[1]. Ulrike Grienke, et al. Human Ether-À-go-go Related Gene (hERG) Channel Blocking Aporphine Alkaloids From Lotus Leaves and Their Quantitative Analysis in Dietary Weight Loss Supplements. J Agric Food Chem. 2015 Jun 17;63(23):5634-9.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA