Neritaloside

Cat. No.: HY-N3193

CAS No.: 465-13-4

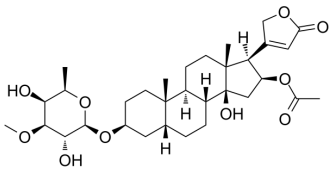
Molecular Formula: $C_{32}H_{48}O_{10}$

Molecular Weight: 592.72

Target: Others

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Neritaloside could be isolated from nerium oleander. Neritaloside has central nervous system (CNS) depressant effect[1][2].
In Vitro	Neritaloside (human tumor cell lines) has antitumor activity with mean IC50 value and mean IC70 value of 0.120 μM and 0.252 μM, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Neritaloside (25 mg/kg; i.p.; for 6 hours; mice of NMRI strain) exhibits central nervous system depressant activity in mice at a dose of 25 mg/kg[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Mice of NMRI strain (18-22 g) [2
Dosage:	25 mg/kg
Administration:	Intraperitoneal injection; for 6 hours
Result:	Showed sedation in mice at 25 mg/kg dose.

REFERENCES

[1]. Rashan LJ, et, al. Characterization of the anticancer properties of monoglycosidic cardenolides isolated from Nerium oleander and Streptocaulon tomentosum. J Ethnopharmacol. 2011 Apr 12;134(3):781-8.

[2]. Begum S, et, al. Bio-active cardenolides from the leaves of Nerium oleander. Phytochemistry. 1999 Feb;50(3):435-8.

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