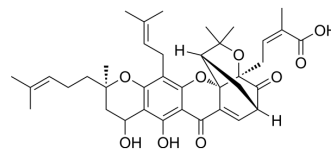


Neogambogic acid

Cat. No.:	HY-N2058
CAS No.:	93772-31-7
Molecular Formula:	C ₃₈ H ₄₆ O ₉
Molecular Weight:	646.77
Target:	Bacterial; Apoptosis
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Neogambogic acid, an active ingredient in garcinia, induces apoptosis and has anticancer effect. Neogambogic acid has significant inhibitory activity toward methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) ^{[1][2]} .
In Vitro	Neogambogic acid inhibits HCT-8, Bel-7402, BGC-823, A549, and A2780 cell proliferation, with an IC ₅₀ between 1.75 and 3 μM. Neogambogic acid induces A549 cells apoptosis arrested the cells to G0/G1 phase in vitro ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Neogambogic acid arrests A549-induced tumor growth in nude mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang K, et al. The mechanism of neogambogic acid-induced apoptosis in human MCF-7 cells. *Acta Biochim Biophys Sin* (Shanghai). 2011 Sep;43(9):698-702.

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

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