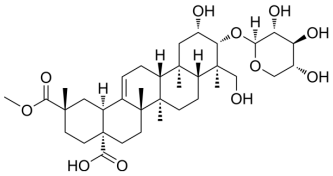
Esculentoside B

Cat. No.:	HY-N6032
CAS No.:	60820-94-2
Molecular Formula:	$C_{36}H_{56}O_{11}$
Molecular Weight:	664.82
Target:	Cholinesterase (ChE); JNK; NF-κB; Fungal
Pathway:	Neuronal Signaling; MAPK/ERK Pathway; NF-κB; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Esculentoside B (Phytolaccoside B) is a natural product from the roots of Phytolacca acinosa Roxb. Esculentoside B is neurotoxic to zebrafish larvae, and impairs their central nervous system development. Esculentoside B inhibits inflammatory response and has antifungal activity[1][2][3].

REFERENCES

[1]. Abekura F, et al. Esculentoside B inhibits inflammatory response through JNK and downstream NF-κB signaling pathway in LPS-triggered murine macrophage RAW 264.7 cells. Int Immunopharmacol. 2019;68:156-163.

[2]. Ren S, et al. Metabolic exploration of the developmental abnormalities and neurotoxicity of Esculentoside B, the main toxic factor in Phytolaccae radix. Food Chem Toxicol. 2023;176:113777.

[3]. Escalante A, et al. Evidence for the mechanism of action of the antifungal phytolaccoside B isolated from Phytolacca tetramera Hauman. J Nat Prod. 2008;71(10):1720-1725.

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