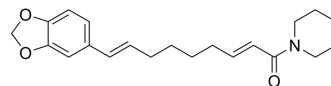


Pipernonaline

Cat. No.:	HY-W748509
CAS No.:	88660-10-0
Molecular Formula:	C ₂₁ H ₂₇ NO ₃
Molecular Weight:	341.44
Target:	Caspase; Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pipernonaline is a piperine derivative with antiprostata cancer activity. Pipernonaline inhibits the proliferation of androgen-dependent/independent LNCaP/PC-3 prostate cells. Pipernonaline activates caspase-3 and promotes procaspase-3/PARP cleavage. Pipernonaline also mediates reactive oxygen species (ROS) production, increased intracellular Ca(2+), and mitochondrial membrane depolarization^[1].

REFERENCES

[1]. Lee W, et al. Pipernonaline from Piper longum Linn. induces ROS-mediated apoptosis in human prostate cancer PC-3 cells. Biochem Biophys Res Commun. 2013 Jan 4;430(1):406-12..

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

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