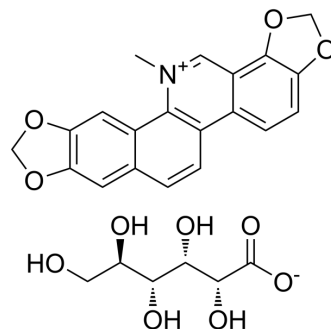


Sanguinarine (gluconate)

Cat. No.:	HY-N0052C
CAS No.:	132210-34-5
Molecular Formula:	C ₂₆ H ₂₅ NO ₁₁
Molecular Weight:	527.48
Target:	Apoptosis; Reactive Oxygen Species
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sanguinarine (Sanguinarin) gluconate, a benzophenanthridine alkaloid, can stimulate apoptosis via activating the production of reactive oxygen species (ROS). Sanguinarine-induced apoptosis is associated with the activation of JNK and NF-κB^[1].

CUSTOMER VALIDATION

- Pestic Biochem Physiol. 10 October 2022, 105259.
- Comp Biochem Physiol C Toxicol Pharmacol. 28 October 2021, 109228.
- Toxicol Lett. 2021 Jul 9;S0378-4274(21)00180-6.
- Fishes. 2022, 7(5), 229.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Wang Y, Noninvasive bioluminescence imaging of the dynamics of sanguinarine induced apoptosis via activation of reactive oxygen species. *Oncotarget*. 2016 Apr 19;7(16):22355-67.

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

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