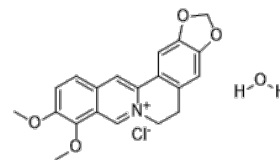


Product Name : Berberine chloride hydrate
Cat. No. : PC-26656
CAS No. : 68030-18-2
Molecular Formula : C₂₀H₂₀ClNO₅
Molecular Weight : 389.83
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

Berberine chloride hydrate (Natural Yellow 18) is an alkaloid isolated from the Chinese herbal medicine Huanglian, induces reactive oxygen species (ROS) generation and inhibits DNA topoisomerase, disrupts G-quadruplex (G4)-STAT1 interaction and synergizes with olaparib to drive cancer cell death, shows antineoplastic properties, also is a potent USP22 inhibitor, effectively suppresses Wnt pathway activation and CRC cell proliferation.

References

- Cai Y, et al. Berberine inhibits the growth of human colorectal adenocarcinoma in vitro and in vivo. *J Nat Med.* 2014 Jan;68(1):53-62.
- Wang Y, et al. *Nucleic Acids Res.* 2026 May 5;54(9):gkag383.
- Gang Xu, et al. *Phytomedicine.* 2026 Mar;152:157765.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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