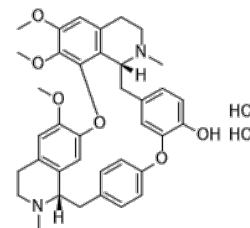


Product Name : Berbamine hydrochloride
Cat. No. : PC-26380
CAS No. :
Molecular Formula : C₃₇H₄₂Cl₂N₂O₆
Molecular Weight : 681.65
Target : Filovirus
Solubility : 10 mM in DMSO



Biological Activity

Berbamine hydrochloride is a natural bisbenzylisoquinoline alkaloid that shows broad exhibits anti-tumor and anti-viral activities, inhibits Ebola virus (EBOV) and prevents SARS-CoV-2 entry.

Berbamine hydrochloride is a potent, brain penetrant Galectin-3 (Gal3) inhibitor, disrupts Gal3 oligomerization and Gal3-TREM2 interaction.

Berbamine hydrochloride also inhibits Ebola virus (EBOV) by targeting viral glycoprotein, disrupts GP1-NP1 interaction.

Berbamine prevents SARS-CoV-2 entry and transmission.

Berbamine hydrochloride effectively improved motor functions, reduced mutant huntingtin protein aggregation, and restored crucial dopaminergic and ciliary signaling pathways in R6/2 mouse model of Huntington's disease (HD).

Berbamine promotes ferroptosis of esophageal squamous cell carcinoma by facilitating USP51-mediated GPX4 ubiquitination and degradation.

References

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

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