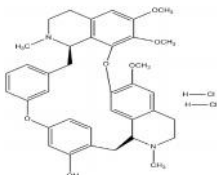


Product: Berbamine dihydrochloride

ALTERNATIVE NAME: Berbenine
CATALOG #: 2520-100, 500
AMOUNT: 100 mg, 500 mg

STRUCTURE:

MOLECULAR FORMULA: C₃₇H₄₂Cl₂N₂O₆
MOLECULAR WEIGHT: 681.65
CAS No. 6078-17-7
APPEARANCE: Crystalline solid
SOLUBILITY: DMSO or EtOH
PURITY: >98% by HPLC
STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: Berbamine is a naturally occurring alkaloid that displays several biological properties. Berbamine potently suppresses liver cancer cell proliferation and induces cancer cell death by targeting Ca²⁺/calmodulin-dependent protein kinase II (CAMKII). Also acts as a novel inhibitor of NF-kappaB activity with remarkable anti-myeloma efficacy.

REFERENCES: Meng, Z., *et al.* (2013). *Mol. Cancer. Ther.* **12**, 2067-2077;
Liang, Y., *et al.* (2009). *Acta Pharmacol. Sin.* **30**, 1659-1665.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

K252a (Cat. No. 2013-500, 1000)
KN-62 (Cat. No. 2495-1, 5)
KN-93, Water-soluble (Cat. No. 1909-1, 5)
KN-93 (Cat. No. 2524-500, 1000)

FOR RESEARCH USE ONLY! Not to be used in humans.