

苦参碱

中文名：苦参碱

英文名：Matrine

CAS 号：519-02-8

分子式：C₁₅H₂₄N₂O

分子量：248.36

属 性

熔 点 85° C

旋光率 33 ° (C=1, EtOH)

存储条件 贮存温度 2-8°C

密 度 1.1600

描 述

生化机理 Description: IC50 Value: 540 μg/ml (inhibit gastric cancer cell line MNK45, MTT)
[1]Matrine is an alkaloid found in plants from the Sophora genus. It has a variety of pharmacological effects, including anti-cancer effects, and action as a kappa opioid receptor and ?-receptor agonist. in vitro: MTT assay showed that the matrine was able to inhibit gastric cancer cell line MNK45 in a dose-dependent manner. The concentration required for 50% inhibition (IC50) was found to be 540 μg/ml. This anti-tumor function was achieved through modulation of the NF-κB, XIAP, CIAP, and p-ERK proteins expression in cell line MNK45. Matrine induces apoptosis of human NSCLC cells with anti-apoptotic factors inhibited and dependent on caspase activity. In addition, we found that matrine increases the phosphorylation of p38 but not its total protein, and inhibition of the p38 pathway with SB202190 partially prevents matrine-induced apoptosis. Furthermore, matrine

别 名 苦参碱 Matridin-15-one Sophocarpidine

