

产品名称 : Antioxidant peptide A

同义词 : ——

产品货号 : M30567

CAS Number : 159147-88-3

分子式 : C31H54N12O7S2

分子量 : 770.97

化学全名 : Sequence:Pro-His-Cys-Lys-Arg-Met

产品描述 : Antioxidant peptide A is a short peptide, which contains alternative aromatic or sulfur-containing amino acid. (In Vitro):The effects of 10-100 μ M of Antioxidant peptide A (Pep-A) concentrations are studied on the superoxide dismutase (SOD) enzyme activity. The enzyme activity decreases by 0.5 and 0.7-folds at 10 and 50 μ M Antioxidant peptide A concentrations, respectively, and increases by 1.79-folds at 100 μ M Antioxidant peptide A treatment, indicating that this concentration can be ideal for the treatment on Y79 a, RB cells. Furthermore, the Antioxidant peptide A can be involved in decreasing the ROS by increasing the antioxidant enzyme activity. A similar increase in the antioxidative enzyme levels in the presence of Hoki skin antioxidative peptide in hepatocarcinoma cells is attributed to the peptide's role in maintaining the redox balance in the cellular environment. Cell viability analysis results show that the Antioxidant peptide A shows no toxicity to cancerous (Y79) cells and non-cancerous cells even after 48 h of treatment. The Y79 RB cell viability ranges between 115 and 157 % and 111-126 % after 24 and 48 h of exposures with Antioxidant peptide A, respectively. The cancer cell death from the treatment of 10-100 μ M GNP's concentration is studied.

通路 : Others

靶点 : Other Targets

受体 : ——

溶解度 : ——

SMILES : ——

存储条件 : (-20 $^{\circ}$ C)

稳定性 : ≥ 2 years

参考文献 :

Kalmodia S, et al. Bio-conjugation of antioxidant peptide on surface-modified gold nanoparticles: a novel approach to enhance the radical scavenging property in cancer cell. Cancer Nanotechnol. 2016;7:1.