

Studies on Analgesia and Anti-inflammatory Action of No. I Feng Shi Kang

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Abstract No. I Feng Shi Kang (FSK-I) could enhance obviously threshold of hot and electrical stimulus induced pain in mice. And it could inhibit obviously acetic acid induced twist response of mice. FSK-I displayed marked anti-inflammatory action in the test of inflammatory swellings of paw induced by carrageenin in adrenalectomized rats. It was evidenced to have the significantly inhibitory action in the test of leucocyte-migration and inflammatory exudate induced by carrageenin in rats. The PGE₂ content of inflammatory tissues induced by carrageenin was decreased by FSK-I.

Key words FSK-I; Analgesic action; Anti-inflammatory action

新型甜味剂——天-丙甜二肽

天冬酰 D-丙氨酸异丙酯是一种新型肽类甜味剂,目前尚未见国内外有产品上市或报批。中国药科大学吴梧桐教授领导的研究小组应用固定化氨基酸酰化酶制备 D-丙氨酸,再以特异 L-天冬氨酸活化物与 D-丙氨酸异丙酯反应得到产物,是一条独创的天-丙甜二肽制备工艺。该工艺专一性强、简便、成本较低,反应转化率达 83%,甜度为蔗糖的 170 倍,甜味纯正,口感好,耐热稳定,具有广泛的应用前景。该工艺于 1995 年 10 月通过江苏省科委和国家医药管理局组织的科技成果鉴定。