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In vivo antiinflammatory activity and chemical composition of Hypericum scabroides

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A B S T R A C T

Objective: To evaluate the methanolic extracts of aerial parts of Hypericum scabroides mg/kg, p.o.) for in vivo anti-inflammatory activity. (HSM) (200

Methods: The anti-inflammatory activity of HSM was tested in mice weighting (25依5) g. Either vadehmiicnlies t(ecroendt r(po.lo .g) rfoour p6)0, mthien mbeeftohraen aonli ce deexmtraa cwtass (2in0d0 umcegd/k ign) tohre dmicicloef epnaawc b(y50 s umbgc/uktga)n, ewouass cinajrercatgieoenn oinf .carrageenin. The mouse-paw volume was measured 1 h, 3h and 6 h after injection of

Results: The HSM showed significant reduction of edema in carrageenan induced mice paw edema model at 1 h and 3 h for (78.03依15.54)% and (40.44依16.36)%, respectively. The diclofenac 50hm,g 3/k hg aenxdh ib6 ihte,d r e%s preecdtuivcetiloyn c ionm ppaawre dv otlou mcoen (t3r1o.l0 0g依ro1u1p.5.2 T)%h,e (0o.b80ta依in0.e0d9)%re saunldts

(9r.e3v9e依a1le.9d9)%th aatf tHerS M1 ahnasa lsyizgendi fibcya nuts ianngti hiingfhla mpemrfaotromrya nacctei vliitqyu. iFdu crehtrhoemrmatoorger,a tphhey –chdeiomdiec aalr rcaoym dpeodsietciotnor .o f T Hhe SM p lwaanst contained pseudohypericin (trace) hypericin (trace), chlorogenic acid (0.014 0依0.000 5)%, rutin (0.0050依0006) %

Conclusions:

TH,E H oybptearionseidde r e(0s.u01lt6s依 o0f. 0t0h5e)% p, riessoeqnute irncvitersinti g(0a.t0i3o4n 0 r依e0v.e0a0l0e 5d)% t haantd m keatehmanpofel reoxl t(rtaracct eo)f. Hypericum scarbroides has significant anti-inflammatory activity

Keywords: Anti inflammatory Carrageenan Hypericum scabroides Mice Chemical compounds