



In vivo Studies on the Bronchodilatory and Analgesic Activities of *Hyoscyamus niger* and *Aspalathus linearis*

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SUMMARY. The present study describes the *in vivo* bronchodilatory and analgesic activities of the crude extract of *Hyoscyamus niger* (Hn.Cr) and *Aspalathus linearis* (Al.Cr), which tested positive for alkaloids, coumarins, flavonoids, sterols, tannins, terpenes and flavonoids, tannins, saponins respectively. Hn.Cr (0.3-3.0 mg/kg) and Al.Cr (10-100 mg/kg) caused inhibition of the CCh (1 μ mol/kg)-induced increase in the inspiratory pressure of anaesthetized rats. Hn.Cr and Al.Cr dose-dependently (50-100 mg/kg) reduced the numbers of acetic acid-mediated writhes in mice. These results indicate that *Hyoscyamus niger* and *Aspalathus linearis* exhibit airways-relaxant and anti-nociceptive effects, hence justifying their medicinal use in asthma and pain.

KEY WORDS: *Hyoscyamus niger*, *Aspalathus linearis*, Bronchodilation, Analgesia.

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