

## Natural Products Reported as Potential Inhibitors of Uterine Cervical Neoplasia

Marcelo Dantas de MOURA, Juberlândia de Sousa e SILVA,  
Rinalda Araújo Guerra de OLIVEIRA, Margareth de Fátima Formiga Melo DINIZ  
and José Maria BARBOSA-FILHO \*

*Laboratório de Tecnologia Farmacêutica, Universidade Federal da Paraíba,  
58051-970, João Pessoa, PB, Brazil*

---

**SUMMARY.** The present work is a literature review of crude plant extracts, semi-purified fractions and chemically defined molecules with potential antitumor activity against uterine cervical neoplasia. The review refers to 36 plants with their families, geographical distribution, parts used, type of extract used, and their activity. It also includes the activity found in 27 compounds isolated from higher plants and microorganisms, which are classified in appropriate chemical groups. Some aspects of recent research with natural products directed to the eventual production of drugs which are inhibitors of uterine cervical neoplasia are discussed.

**RESUMEN.** “Productos naturales que son potenciales inhibidores de neoplasias de cuello uterino”. El presente trabajo consiste en una revisión de la literatura, con respecto de drogas vegetales, extractos semipuros y sustancias químicamente definidas, con actividad potencial para casos de neoplasia de cuello uterino. Esta revisión incluye 36 plantas, las familias, área geográfica, partes utilizadas, tipos de extracto y la actividad encontrada. Incluye también 27 sustancias aisladas de plantas superiores y microorganismos, clasificados en grupos químicos adecuados. Son discutidos algunos aspectos recientes de la investigación de productos naturales dirigidos a la obtención de medicamentos que inhiben neoplasias del cuello uterino.

---

**KEY WORDS:** Anticancer agent, Antitumor activity, Cancer, Natural products, Uterine cervical neoplasia, Uterus cervix, Tumor.

**PALABRAS CLAVE:** Actividad antitumoral, Agente anticancerígeno, Cáncer, Cuello uterino, Neoplasia cervical uterina, Productos naturales, Tumor.

\* Author to whom correspondence should be addressed. E-mail: jbarbosa@ltf.ufpb.br