

# GC-MS ANALYSIS OF ESSENTIAL OIL FROM CNIDIUM MONNIERI

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## Abstract

The constituents of the essential oil from the fruits of *Cnidium monnieri* (L.) Cusson collected in DPRK were separated and inferred by GC-MS, 66 components were found of which, 43 were inferred (table 1) to be butene (2), isopropyl isobutyrate,  $\alpha$ -pinene, camphene, sabinene,  $\beta$ -pinene, myrcene, m-cymene, limonene,  $\gamma$ -terpineol, linalol, borneol, dihydrocarvone, myrtenal, verbenone, trans-carvenol, bornyl acetate, geranyl acetate,  $\beta$ -bisabolene, geranyl isobutyrate, etc.

**Key words** *Cnidium monnieri*, Essential oil, GC-MS analysis, Limonene, Verbenone, Carvone, Bornyl acetate

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**三波长分光光度法测定复噬啉片中甲氧苄氨嘧啶含量** 吴桥, 罗国安(分析化学教研室) 药物分析杂志 1986 6(1):10

本文研究了应用三波长分光光度法不经分离提取测定复噬啉(SMD)片中低含量甲氧苄氨嘧啶(TMP)的方法。采用手动751G分光光度计读取吸收值, 输入微处理机并执行UV-TWS程序, 用计算机选择三波长组合, 使用TI-59可编程序计算器处理实验数据。取本品20片, 研细, 称取1/8片粉, 加入乙醇10ml, 摇匀并在低于70°的水浴中温热, 以0.1N氢氧化钠液稀释至250ml, 干过滤, 滤液20ml用0.1N氢氧化钠液稀释至100ml测定TMP; 以上溶液20ml再以0.1N NaOH稀释至100ml测定SMD, 292, 319, 410nm为测定TMP的波长, 224, 235, 272nm为测定SMD的波长, 测定结果: TMP含量为101.5—102.5%, CV为0.42—0.51%; SMD含量为96.87—100.4%, CV为0.50—0.77%。 (李涵)