

HELICHRYSUM RUBICUNDUM AS A POSSIBLE RAW MATERIAL FOR THE “FLAMIN” DRUG

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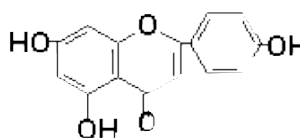
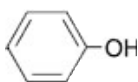
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For hepatoprotective drug “Flamin” as a raw material is accepted to use flowers of *Helichrysum arenarium* L., which is absent in the flora of Armenia. With hope to find a raw material for this drug, we have investigated the flowers of another species: *Helichrysum rubicundum* (C. Koch) Bornm, which grows well in Armenia.

We have compared flavonoidal extract of the *Helichrysum rubicundum* flowers and a sample of the pharmaceutical drug “Flamin” by the method of comparative TLC analysis, identity of their constitutions was shown (pic.1)

By Preparative chromatography from flavonoidal extract of *Helichrysum Rubicundum* flowers were isolated well described in the literature components of the drug “Flamin”: isosalipurposide (main component) and apigenin (pic. 2)

*Pic. 1. Comparative
TLC of flavonoidal
extract of the
Helichrysum
Rubicundum
flowers(Φ1) and
pharmaceutical
drug
“Flamin”(Φ2. Таб.
2012)*



A)

B)

Pic.2 A) Isosalipurposide B) Apigenin

The authenticity of the structure of isolated components have identified by comparative TLC and NMR spectroscopy methods.

Considering all of this results we can surely say that we have shown that the flowers of *Helichrysum Rubicundum* can serve as raw material for the drug “Flamin”.