

## Short botanical notes

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This is a continuation of short taxonomical or floristic notes, which probably would not or not quickly be published. For making them available for other researchers the curators of W and WU decided to edit this series in the Annalen des Naturhistorischen Museums. The herbarium acronyms follow the Index Herbariorum (<http://sweetgum.nybg.org/ih/>), nomenclatoric authors are abbreviated according to the "International Plant Names Index" (<http://www.ipni.org/> – search option "authors").

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## Typification of *Galium teres* with notes on the *Galium glaucum*-group in the Iberian Peninsula (Rubiaceae)

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### Kurzfassung

Für *Galium teres* MERINO wird ein Lectotypus ausgewählt. *G. decumanum* KRENDL wird als Synonym zum älteren *G. teres* festgestellt. Die Auffassung von KRENDL (1979) über die Gliederung der *Galium glaucum*-Gruppe im Gebiet der Iberischen Halbinsel wird mit der Bearbeitung von ORTEGA OLIVENCIA & DEVESA (2007) in Flora Iberica verglichen.

### Abstract

A lectotype is chosen for *Galium teres* MERINO. *G. decumanum* KRENDL is stated as synonym to the earlier *G. teres*. The treatment of the *Galium glaucum*-group in the Iberian Peninsula of KRENDL (1979) is compared with Flora Iberica (OLIVENCIA & DEVESA 2007).

**Key Words:** Rubiaceae, *Galium glaucum*, *G. teres*, *G. decumanum*; type, synonym.

### Introduction

KRENDL (1979) distinguished three species in the *Galium glaucum*-group in the Iberian Peninsula: *G. decumanum*, *G. pruinosum* and *G. murcicum*. *Galium teres* was thought to be a synonym of *G. ×pomeranicum* not belonging to the *G. glaucum*-group (EHRENDOR-

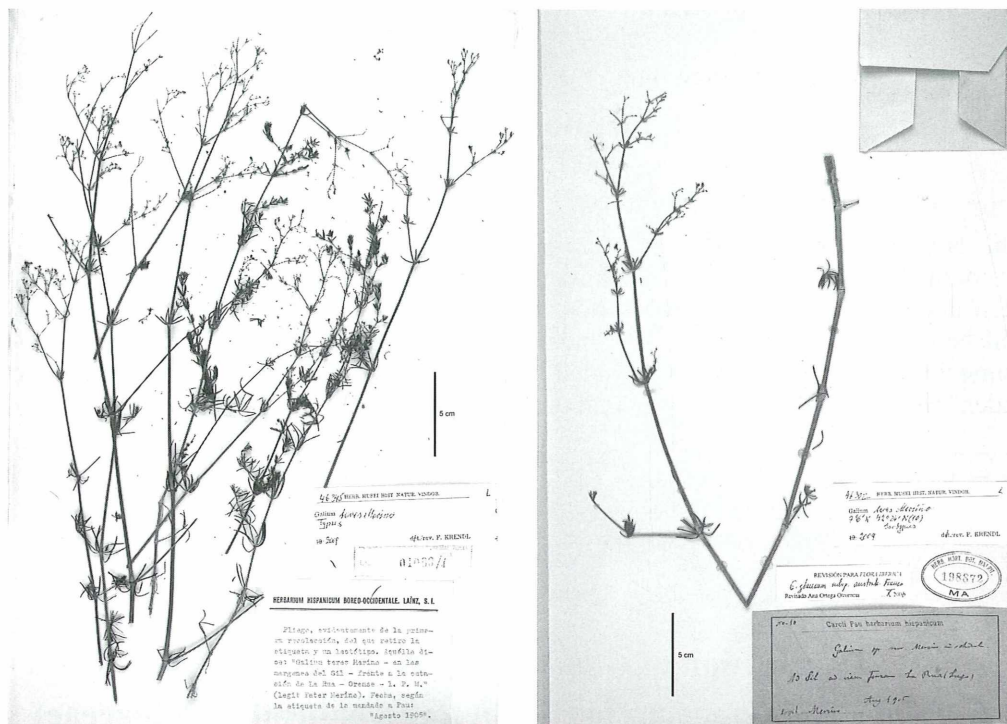


Fig. 1: *Galium teres*, a) lectotype [LOU], b) isotype [MA].

FER & KRENDL 1976). During recent investigations the type of *Galium teres* was found and showed this taxon to be identical with *Galium decumanum*.

## Results

*Galium teres* MERINO, Fl. Galic. 2: 286 (1906)

Lectotype (hic designatus)\*: En las margenes del Sil - frente a la estación de La Rua - Orense, Agosto 1905 P. Merino [LOU 1089/1!].

The complete label: "Herbarium hispanicum boreo-occidentale, Lainz, S. I. Pliego, evidentemente de la primera recolección, del que retiro la etiqueta y un lectótipo. Aquella dice: En las margenes del Sil - frente a la estación de La Rua - Orense l. P.M. [leg. P. Merino]. Fecha, según la etiqueta de lo mandado a Pau: Agosto 1905". Annotation: The word lectótipo is not used in the formal sense, no publication has been found.

Isotype\*\*: *Galium* sp. nov. Merino in schedulis. 10\*\*\* Sil ad viam ferram La Rua (Lugo), Aug. 1905 Merino [MA 198872 (ex herbarium Pau)!] - determined as *Galium glaucum* subsp. *australe* by A. Ortega Olivencia 2006.

\*\* Though the labels are not completely identical, the specimens are obviously from the same collection.

\*\*\*unclear whether this number is of Merino or Pau.

= *Galium decumanum* KRENDL, Ann. Naturhist. Mus. Wien, 82: 305 (1979), syn.n.

Holotype: Bragança, Monte de S. Bartolomeu, 24.6.1955, A. Fernandes, J. Matos & A. Matos [COI!]

## Discussion

KRENDEL (1979) distinguished three species of the *Galium glaucum* group in the Iberian Peninsula, with a fourth one found nearby on the French side of the Pyrenees. All these species are diploid ( $2n = 22$ ) in contrast to the tetraploid *G. glaucum* ( $2n = 44$ ) in France. In Flora Iberica (ORTEGA OLIVENCIA & DEVESA 2007), part of these have been reduced to the level of subspecies, thus putting units of different ploidy level into one species. Following is a table, outlining how the taxa correspond.

Table 1: Comparison of taxonomic opinions of KRENDEL (1979) and ORTEGA OLIVENCIA & DEVESA (2007).

| KRENDEL 1979                               |              | ORTEGA OLIVENCIA & DEVESA 2007         |   |
|--|--------------|--|---|
|  | ploidy level |  | distribution (simplified)                             |
| <i>G. teres</i> (sub <i>G. decumanum</i> ) | 2x           | <i>G. glaucum</i> ssp. <i>australe</i> | NW of Iberian Peninsula                               |
| <i>G. murcicum</i>                         | 2x           | <i>G. glaucum</i> ssp. <i>murcicum</i> | SE of Iberian Peninsula                               |
| <i>G. pruinosum</i>                        | 2x           | <i>G. pruinosum</i>                    | SE of Iberian Peninsula                               |
| [ <i>G. festivum</i>                       | 2x           |  | Pyrenees (France)]                                    |
| [ <i>G. glaucum</i>                        | 4x           |  | France, N to Denmark,<br>E to Romania (KRENDEL 2003)] |

## Literatur

- EHRENDORFER F. & KRENDEL F., 1976: *Galium* sect. *Galium*. – In: TUTIN T.G. & al.: Flora Europaea 4: 21–23.
- KRENDEL F., 1979: Die Arten der *Galium glaucum*-Gruppe auf der Iberischen Halbinsel und ein Vergleich mit dem *Galium cinereum* ALL. – Ann. Naturhist. Mus. Wien 82: 291–318.
- KRENDEL F. 2003: *Galium glaucum* L. und *Galium eruptivum* KRENDEL sp.n. (Rubiaceae). – Ann. Naturhist. Mus. Wien, B, 104: 567–690.
- ORTEGA OLIVENCIA A. & DEVESA J.A., 2007: *Galium*. – In: DEVESA J.A., GONZALO R. & HERRERO A. (eds.) Flora Iberica 15: 56–162.