

## 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. pruinatum* and *G. muricum*. *Galium teres* was thought to be a synonym of *G. ×pomeranicum* not belonging to the *G. glaucum*-group (EHRENDOR-

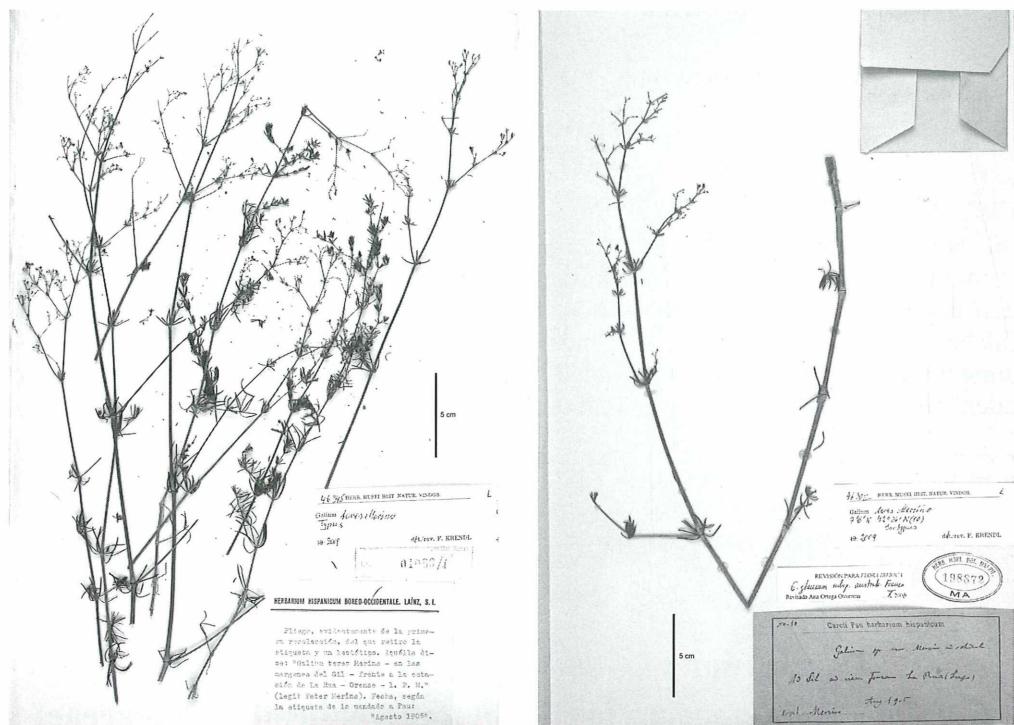


Fig. 1: *Galium teres*, a) lectotype [LOU], b) isotype [MA].

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, Laínz, 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 I. 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 ferrram 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

KRENDL (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 & DEVESÁ 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 KRENDL (1979) and ORTEGA OLIVENCIA & DEVESÁ (2007).

KRENDL 1979		ORTEGA OLIVENCIA & DEVESÁ 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. muricum</i>	2x	<i>G. glaucum</i> ssp. <i>muricum</i>	SE of Iberian Peninsula
<i>G. pruinatum</i>	2x	<i>G. pruinatum</i>	SE of Iberian Peninsula
[ <i>G. festivum</i>	2x		Pyrenees (France)]
[ <i>G. glaucum</i>	4x		France, N to Denmark, E to Romania (KRENDL 2003)]

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