

NOMENCLATURAL NOTES ON NEOTROPICAL *BULBOPHYLLUM* (ORCHIDACEAE)

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ABSTRACT

(Nomenclatural notes on the Neotropical species of the genus *Bulbophyllum* Thouars (Orchidaceae)) In the course of a taxonomic revision of Neotropical *Bulbophyllum* species nomenclatural notes for 29 of the 117 names published are necessary, as well as new lecto- and neotypifications. The holotype of 24 names are lost but original drawings exist and were chosen as lectotypes. In the case of four others, more than one material was indicated in the protologue, for which we choose the lectotypes herein. *B. chloropterum* requires the choice of a neotype. We also provide two new synonyms for *B. napellii*.

Key words: *Bulbophyllum*, lectotypification, Neotropics, neotypification, Orchidaceae, taxonomy.

RESUMO

(Notas nomenclaturais sobre as espécies neotropicais do gênero *Bulbophyllum* Thouars (Orchidaceae)) Durante a revisão taxonômica das espécies neotropicais do gênero *Bulbophyllum* Thouars (Orchidaceae), algumas considerações nomenclaturais para 29 dos 117 nomes publicados se fazem necessárias, assim como a necessidade de lectotipificações e de neotipificação. Para 24 nomes, o holótipo foi perdido, mas existem boas ilustrações originais que foram escolhidas como lectótipos. Para outros quatro nomes, mais de um material foi designado no protólogo, sendo necessária a escolha de lectótipos. *B. chloropterum* requer a escolha de um neótipo. Adicionalmente é fornecido dois novos sinônimos para *B. napellii*.

Palavras-chave: *Bulbophyllum*, lectotipificação, Neotrópico, neotipificação, Orchidaceae, taxonomia.

INTRODUCTION

Bulbophyllum Thouars (Orch. Iles Austr. d'Áfrique, 1822) (Orchidaceae) comprises more than 1,700 species (Dressler 1993, Vermeulen 1993, Sieder *et al.* 2007). The genus presents a Pantropical distribution, with the main center of diversity in the Paleotropics, mainly in cloud forests (Dressler 1993, Vermeulen 1993). For the Neotropical region 117 specific binomials were published. Brazil is the richest country with about 60 species recognized (Smidt & Borba 2007), most of them endemic to the Southeastern portion (22°S–42°W), especially in ecotonal areas between Cerrado and Atlantic Rain Forest (Smidt *et al.* 2007).

During the revision of Neotropical *Bulbophyllum* (Smidt 2007), we examined all protologues and available type specimens and some nomenclatural and taxonomic problems were identified in relation to the rules of the

International Code of Botanical Nomenclature (McNeill *et al.* 2006). Most nomenclatural problems involves typifications (28 lectotypes and one neotype are necessary) and two new synonyms were detected.

MATERIAL AND METHODS

Type collections deposited at 67 herbaria (ALCB, AMES, AMO, BHCN, BM, BR, C, CEN, CEPEC, CESJ, CR, CRI, EAC, EAN, ESAL, F, FUEL, G, GFJP, GOETT, GUA, HAS, HB, HEPH, HRB, HRCB, HUEFS, HUFU, HXBH, IAC, IAN, IBGE, IBUG, ICN, IPA, JBSD, K, L, LL, M, MBM, MBML, MEXU, MO, MOL, NY, P, PACA, QCA, QCNE, R, RB, RENZ, RFA, S, SEL, SI, SP, U, UB, UEC, UFMT, UPCB, US, VASQ, W, XAL - acronyms following Holmgren *et al.* 2003) were examined and compared with protologues.

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RESULTS AND DISCUSSION

Nineteen lectotypifications here presented refer to João Barbosa Rodrigues' (1842-1909) names. Barbosa Rodrigues collections were not deposited in herbaria and kept as personal collection, probably removed from his home in the Botanical Garden and deposited in the basement of the house of his son. Since his entire personal collection was lost, probably because of flooding where it was located (Mori & Ferreira 1987, Sprunger *et al.* 1996), no type specimens for those names are available. Despite this, Barbosa Rodrigues made very fine watercolors of almost all the species he described, cited in their original descriptions. Some of them were published as ink-draw copies by Cogniaux (1902) and the whole set was reproduced by Sprunger *et al.* (1996). These illustrations, which are the only remaining part of the original material of the descriptions, were deposited in the Botanical Garden of Rio de Janeiro and part of them at Harvard University (Sprunger *et al.* 1996) and must be chosen as lectotypes.

Anders Fredrik Regnell (1807-1884), a collector who sent several new Brazilian species to be described by a number of taxonomists in Europe, used to apply the same collection number for every individual of a species he collected along the time. In this case, we had to choose lectotypes and indicate syntypes only from materials without collection dates, because most other specimens have collection data posterior to the description of these species. A similar procedure was also carried out by the collectors of the Venezuelan *B. meridense* and *B. popayanense*.

One neotype is also designated for *B. chloropterum*, whose the only material cited is lost and no original drawing exists.

Bulbophyllum atropurpureum Barb. Rodr., Gen. Sp. Orchid. 1: 41. 1877.

≡ *Didactyle atropurpurea* (Barb. Rodr.) Barb. Rodr., Gen. Sp. Orchid. 2: 125. 1882. **Type:** BRAZIL. MINAS GERAIS: Itamonte, Serra do Picu, 21 Apr 1877, *J. Barbosa*

Rodrigues s.n. (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 237", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.362).

Bulbophyllum barbatum Barb. Rodr., Gen. Sp. Orchid. 2: 119. 1882. **Type:** BRAZIL. MINAS GERAIS: Parahybuna, Serra das Bicas, 18 May 1879, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 251 fig. b", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.377, fig. b.).

Bulbophyllum bidentatum (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3(5): 612. 1902.

≡ *Didactyle bidentata* Barb. Rodr., Gen. Sp. Orchid. 2: 127. 1882. **Type:** BRAZIL. MINAS GERAIS: São José del Rei, Serra do Lenheiro, 2 Jan 1882, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 244, fig. b", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.369, fig. b.).

Bulbophyllum chloroglossum Rchb. f. & Warm., Gard. Chron.: 1195. 1871. **Type:** BRAZIL. RIO DE JANEIRO: Berrington *s.n.* (lost). Lectotype (here designated): Warming's original drawing, deposited in Wien (W, Reichenbach Herb. Orchid nr. 35752!).

Bulbophyllum chloropterum Rchb. f., Linnaea 22: 835. 1849.

≡ *Xiphizusa chloroptera* Rchb. f., Bot. Zeitung (Berlin) 10: 919. 1852.

≡ *Phyllorchis chloroptera* Kuntze, Revis. Gen. Pl. 1: 677. 1891. **Type:** BRAZIL. RIO DE

JANEIRO: *Hoffmanns s.n.* (lost). Neotype (here designated): BRAZIL. SÃO PAULO: Itu, mata do Governo, 7 Mar 1934, A. Gehrt (SP 31583!).

Material of this species collected by Johann C. Hoffmannsegg was not found in any European Herbaria examined, and there is no drawing of it in Wien, where H. G. Reichenbach worked. In Brazil, to where this species is endemic, there is a good collection by Augusto Gehrt from Itú, São Paulo State, which we consider a suitable material to be designated as a neotype. In Europe, there is another good collection at P (*A. Glaziov 18521a*, collected in 1907), but without precise location data. Although H. G. Reichenbach did not provide any illustration in the protologue of this species, the description and comments are clear and precise enough to distinguish this species from any other Neotropical *Bulbophyllum*. A fine illustration of *B. chloropterum* can be found in Hoehne (1949, tab. 149).

Bulbophyllum epiphytum Barb. Rodr., Gen. Sp. Orchid. 1: 40. 1877. **Type:** BRAZIL. MINAS GERAIS: Caldas, 27 Nov 1876, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 246", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.371).

Bulbophyllum gladiatum Lindl., Ann. Mag. Nat. Hist. 10: 185. 1842.

≡ *Didactyle gladiata* (Lindl.) Lindl., Folia Orch. Didactyle 1. 1852.

≡ *Xiphizusa gladiata* (Lindl.) Rehb. f., Bot. Zeit. 10: 919. 1852.

≡ *Phyllorchis gladiata* (Lindl.) Kuntze, Revis. Gen. Pl. 1: 677. 1891. **Type:** BRAZIL. RIO DE JANEIRO: Rio de Janeiro, *M. Descourtilz* (lost). Lectotype (here designated): M. Descourtilz's original drawing of the specimen cited in the protologue deposited in K (K-LINDL 000078738!).

Bulbophyllum glutinosum (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3(5): 597. 1902.

≡ *Didactyle glutinosa* Barb. Rodr., Gen. Sp. Orchid. 2: 126. 1882. **Type:** BRAZIL. MINAS GERAIS: Itamonte, Serra do Picu, 21 Abr 1877, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 239", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.364).

Bulbophyllum granulosum (Barb. Rodr.) Barb. Rodr., Gen. Sp. Orchid. 1: 41. 1877.

≡ *Didactyle granulosa* Barb. Rodr., Gen. Sp. Orchid. 2: 123, 125. 1882. **Type:** BRAZIL, MINAS GERAIS, Caldas, Pedra Branca, Cachoeira Grande, Rio das Antas, 20 Oct 1876, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 238", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.363).

Bulbophyllum insectiferum Barb. Rodr., Gen. Sp. Orchid. 2: 120. 1882. **Type:** BRAZIL. MINAS GERAIS: São João del Rei, 25 Aug 1881, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 251", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.376).

Bulbophyllum laciniatum (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3(5): 609. 1902.

≡ *Didactyle laciniata* Barb. Rodr., Gen. Sp. Orchid. 1: 43. 1877. **Type:** BRAZIL. MINAS GERAIS: São Gonçalo da Campanha, 4 Jun 1876, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés

du Brésil 5: t. 241", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.366).

Bulbophyllum laciniatum (Barb. Rodr.) Cogn. var. *janeirenses* Cogn. in Mart., Fl. bras. 3(5): 610. 1902. **Type:** BRAZIL. RIO DE JANEIRO: *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 242", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.367).

Bulbophyllum lundianum Rchb. f. & Warm., Otia Bot. Hamburg.: 94. 1881.

≡ *Phyllorchis lundiana* (Rchb. f. & Warm.) Kuntze, Rev. Gen. 1: 677. 1891. **Type:** BRAZIL. MINAS GERAIS: Lagoa Santa, *E. Warming s.n.* (lost). Lectotype (here designated): Original drawing of the specimen cited in the protologue (W!) and reproduced in Warming, E., Sym. Fl. Bras. Centr. Cogn. 29: 843, tab. 4, fig. 4. 1883.

Bulbophyllum macroceras Barb. Rodr., Gen. Sp. Orchid. 2: 118. 1882. **Type:** BRAZIL. RIO DE JANEIRO: 1 Dec 1878, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 250", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.375).

Bulbophyllum mentosum Barb. Rodr., Gen. Sp. Orchid. 1: 42. 1877. **Type:** BRAZIL. MINAS GERAIS: Sabará, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 251b", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.378).

Bulbophyllum meridense Rchb. f., Linnaea 22: 836. 1849. Lectotype (here designated): VENEZUELA. MERIDA: Sep 1846, *Funk & Schlim 735* (lectotype, W!; isolectotype P!, photography and drawing of lectotype, BM!, AMES!).

When H. G Reichenbach described this species he cited only the collection *Funk & Schlim 735* carried out in September 1846 in Merida. There is one material in Kew with the same collector number but collected at a different place and different month of the same year, which must not be considered a isotype of this species [VENEZUELA. TRUJILLO, Aug 1846, *Funk & Schlim 735* (K-Lindl. K0000787521!)], and has no typological importance.

Bulbophyllum micranthum Barb. Rodr., Gen. Sp. Orchid. 1: 39. 1877. **Type:** BRAZIL. MINAS GERAIS: Carmo do Rio Claro, 24 Aug 1876, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 249", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.374).

Bulbophyllum mucronifolium Rchb. f. & Warm., Otia Bot. Hamburg. 2: 94. 1881. **Type:** BRAZIL. MINAS GERAIS: Lagoa Santa, *E. Warming s.n.* (lost). Lectotype (here designated): Original drawing of the specimen cited in the protologue (W!) and reproduced in Warming, E., Sym. Fl. Bras. Centr. Cogn. 29: 842, tab. 4 fig. 7. 1883.

Bulbophyllum napellii Lindl., Ann. Mag. Nat. Hist. 10: 185. 1842. **Type:** BRAZIL. RIO DE JANEIRO: Serra dos Órgãos, s.d. (fl), *Miers s.n.* (holótipo, K!).

≡ *Phyllorchis napellii* (Lindl.) Kuntze, Rev. Gen. 1: 677. 1891.

= *Bulbophyllum napelloides* Kraenzl., Kongl. Svenska Vetenskapsakad. Handl. 46 (10): 67, pl. 10, fig 5. 1911. Lectotype (here designated): BRAZIL. RIO GRANDE DO

SUL: Ijuhy, 5 Apr 1893, *Lindman 1359a* (S!). Syntype: BRAZIL. RIO GRANDE DO SUL: Colônia Silveira Martins, 23 Mar 1893, *Lindman 1359b* (S!). *syn. nov.*

When Kränzlin described *B. napelloides*, he mentioned two materials collected at different places in different dates, being impossible to be the same collection. For this reason, it is necessary to choose one collection as lectotype (*Lindman 1359a*), the other material being a syntype (*Lindman 1359b*). The study of both materials clearly shows the same flower structure of *B. napellii*, being unjustifiable to sustain *B. napelloides* as a different species.

= *Bulbophyllum monosepalum* Barb. Rodr., Gen. Sp. Orchid. 2: 121. 1882. **Type:** BRAZIL. RIO DE JANEIRO: Rodeio, 24 Dec 1881, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 245", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.370). *syn. nov.*

The illustration of *B. monosepalum* is just an immature flower of *B. napellii*, being unjustifiable to sustain this binomial as a different species.

Bulbophyllum nemorosum (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3 (5): 608. 1902.

= *Didactyle nemorosa* Barb. Rodr., Gen. Sp. Orchid. 1: 43. 1877. **Type:** BRAZIL. MINAS GERAIS: Carmo do Rio Claro, 18 Aug 1876, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 243a", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.368, fig. a.).

Bulbophyllum ochraceum (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3 (5): 610. 1902.

= *Didactyle ochracea* Barb. Rodr., Gen. Sp. Orchid. 2: 127. 1882. **Type:** BRAZIL. MINAS GERAIS: São José del Rei, 01 Aug

1881, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 243b", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.368, fig. b.).

Bulbophyllum plumosum (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3 (5): 614. 1902.

= *Didactyle plumosa* Barb. Rodr., Gen. Sp. Orchid. 1: 44. 1877. **Type:** BRAZIL. MINAS GERAIS: Caldas, Serra de Caldas, 2 Feb 1877, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 244a", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.369, fig. a.).

Bulbophyllum popayanense F. Lehm. & Kraenzl., Bot. Jahrb. Syst. 26: 458. 1899. Lectotype (here designated): COLOMBIA. CAUCA: "in silvis circa prope Popayan", 1881, *Lehman 6071* (lectotype K!; isolectotype, drawing in K!; AMES!; L!; NY!; SEL!; US!; W!). Syntype: COLOMBIA. CAUCA: "in silvis circa prope Popayan", no date, *Lehman 8071* (K!; US!); ANTIOQUIA: *Lehman 163* (BM!, K!).

When Lehmann and Kränzlin described this species in 1899, they mentioned three materials (syntypes) collected by Lehmann in two localities. We chose as lectotype the material in best condition.

Bulbophyllum punctatum Barb. Rodr., Gen. Sp. Orchid. 1: 40. 1887. **Type:** BRAZIL. RIO DE JANEIRO: Serra do Engenho Novo, *J. Barbosa Rodrigues s.n.* (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 248", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.373).

Bulbophyllum quadricolor (Barb. Rodr.) Cogn. in Mart., Fl. bras. 3 (5): 611. 1902.

≡ *Didactyle quadricolor* Barb. Rodr., Gen. Sp. Orchid. 2: 128. 1882. **Type:** BRAZIL. MINAS GERAIS: Serra de São José del Rei, 1 Aug 1881, J. Barbosa Rodrigues s.n. (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 243c", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.368, fig. c.).

Bulbophyllum regnellii Rchb. f., Linnaea 22: 835. 1849.

≡ *Didactyle regnellii* (Rchb. f.) Bab. Rodr., Gen. Sp. Orchid. 2: 123. 1882. Lectotype (here designated): BRAZIL. MINAS GERAIS: Caldas, Serra de Caldas, A. F. Regnell ser.II-270 (W!). Syntype: BRAZIL. MINAS GERAIS: Caldas, Serra de Caldas, A. F. Regnell ser.II-270 (BR!, S!, P!).

Anders Fredrik Regnell was one of the most important plant collectors of his time, and he sent some collections to Reichenbach filius from Brazil, specifically from Minas Gerais State. However, he used to have some procedures which caused enormous problems in recognizing his type collections. Regnell numbered his collections by the species instead of by specimens. Because of this, every *Bulbophyllum regnellii* he collected received the number "ser.II-270" (as well as all *Bulbophyllum rupicolum* Barb. Rodr. were "Regnell ser.III-1138", among other examples).

For *B. regnellii*, there are 10 different collections under the same number collected in a period of 14 years after the description of the species by Reichenbach. All these collections were made in Brazil, Minas Gerais State, in the municipality of Caldas, but at different places, such as Serra de Caldas, Pedra Branca or Serra do Gineta. Only four materials under the same collection number have no date, and could be recognized as possible types. One is deposited in Wien (W), where Reichenbach f. used to work, and for

this reason it was chosen here as lectotype. It is not possible to be certain whether the other three materials are duplicates of the collection at W, and for this reason we are choosing them as syntypes instead of isoelectotypes.

It is important to be noticed that the other collections do not possess any nomenclatural value, and we are listing them here: BRAZIL. MINAS GERAIS: Caldas, Serra de Caldas, Nov 1861, A. F. Regnell ser.II-270 (S!); 23 Feb 1869, A. F. Regnell ser.II-270 (S!); 8 Mar 1869, A. F. Regnell ser.II-270 (S!); 30 Mar 1875, A. F. Regnell ser.II-270 (S!); Caldas, Serra do Gineta, 19 Mar 1870, A. F. Regnell ser.II-270 (BM!); sine loco, A. F. Regnell ser.II-270 (P!).

Bulbophyllum rupicolum Barb. Rodr., Gen. Sp. Orchid. 1: 39. 1877. **Type:** BRAZIL. MINAS GERAIS: Serra de Caldas, 31 Sep 1876, J. Barbosa Rodrigues s.n. (lost). Lectotype (here designated): Barbosa Rodrigues' original drawing which appeared in his unpublished work "Iconographie des Orchideés du Brésil 5: t. 247", deposited in the library of Jardim Botânico do Rio de Janeiro and reproduced in Sprunger *et al.* (1996, v.1, t.372).

Bulbophyllum tripetalum Lindl., Ann. Mag. Nat. Hist. 10: 185. 1842.

≡ *Didactyle tripetala* (Lindl.) Lindl., Folia Orch. Didactyle 2. 1852.

≡ *Phyllorchis tripetala* (Lindl.) Kuntze, Rev. Gen. 1: 677. 1891. **Type:** BRAZIL. SÃO PAULO: M. Descourtilz s.n. (lost). Lectotype (here designated): M. Descourtilz's original drawing of the specimen cited in the protologue and deposited in K (K-LINDL 000078746!).

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