

# *Cyrtochilum sodiroi*

(Schltr.) Dalström

Lankesteriana 20(1): 26. 2020

**Synonyms:** *Odontoglossum sodiroi* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 8: 101–102. 1921.

**Syntypes:** Ecuador. Pichincha: in silvis subandinis montis Corazon-Miligally, *L. Sodiro 112* (B, probably destroyed; isosytype, BR); Ecuador. [Napo:] in silvis subandinis Andium Orientalium supra Oyacachi, *L. Sodiro 23b* [B, probably destroyed; illustration of the type in Repert. Spec. Nov. Regni Veg. Beih. 57, plate 99, no. 386 (designated as **lectotype** by Dalström 2020)].

**Illustrated specimen:** Colombia. Cauca: Parque Nacional Natural Puracé, 3200 m. 25 Nov 2018. *J.S. Moreno 553* (CAUP; LCDP voucher).

Epiphytic herb, sympodial, 50–55 cm tall excluding the inflorescence; *pseudobulbs* heteroblastic, 11–15 × 4.2–4.5 cm, ovate, laterally compressed. *Leaves* 1–2 per pseudobulb, pseudopetiolate, oblong-elliptic, coriaceous, smooth, conduplicate near the base; base cuneate; with 2–4 foliaceous sheaths covering the pseudobulb, papyraceous at maturity; leaf blade 7.4–21.5 × 7.8–8.8 cm. *Inflorescence* paniculate, basal, erect, up to 163 cm long; floral bracts lanceolate, acuminate. *Ovary* costate, striate, 2.15 cm long with the pedicel. *Sepals* elliptic-lanceolate, with the cuneate base, undulate, acuminate; *dorsal sepal* 2.64 × 0.74 cm; *lateral sepals* 3.0 × 0.68 cm. *Petals* elliptic-lanceolate, 7-nerved, membranaceous, smooth, the base widely cuneate, undulate, acuminate, 2.0–2.03 × 0.71 cm. *Lip* ovate-lanceolate, curved, membranaceous, smooth, undulate, base truncate, acuminate; callus fleshy, with several protuberances, comprising 2 upper elongate keels and 3 lower keels, 2.05 × 1.0 cm. *Column* erect, 1 central keel with marginal wings, rounded, column-foot short, 8.0 × 2.8 mm. *Pollinia* 2, yellow, white stipite and a brown viscidium. *Anther cap* apical, elliptic yellowish with purple lines.

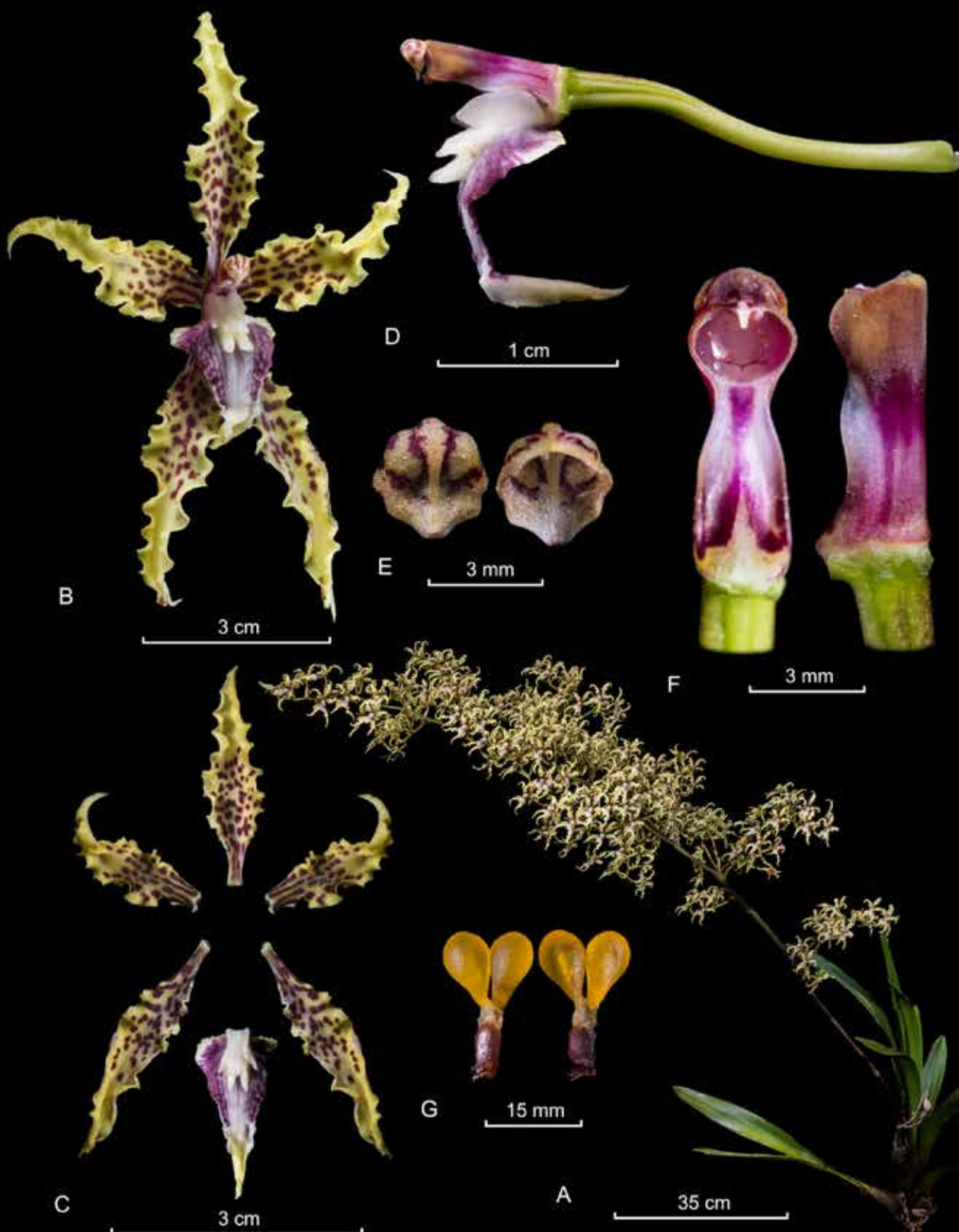
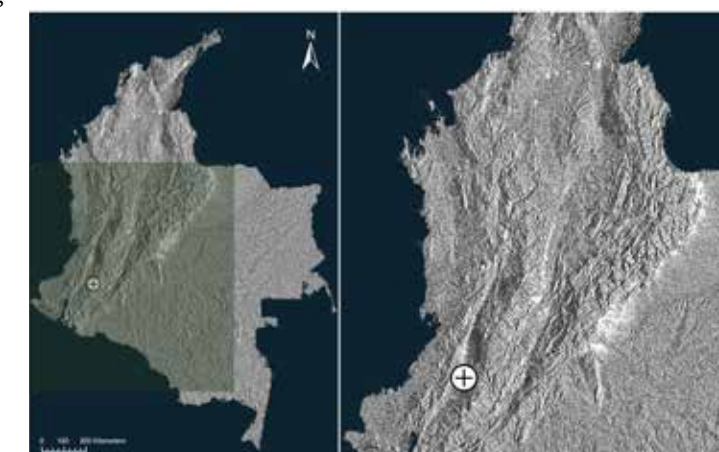
**Eponymy:** In honor of the Jesuit priest Luis Sodiro (1836–1909), who made the two Ecuadorian collections on which Rudolf Schlechter based the description of *Odontoglossum sodiroi*.

*Cyrtochilum sodiroi* (Schltr.) Dalström is originally described by Rudolf Schlechter as *Odontoglossum sodiroi*, based on two collections made by Luis Sodiro, which unfortunately represent two

different species and have probably been lost at B. The name has been lectotypified with an illustration of *L. Sodiro 23b*, while *L. Sodiro 112* is excluded and regarded as a specimen of *C. angustatum* (Lindl.) Dalström based on an extant duplicate at BR. *Cyrtochilum sodiroi*, which is distributed from Colombia to central Peru, is similar to *C. ramosissimum*, which is only reported from Venezuela. The most distinctive features of *C. sodiroi* are the smoothly rounded pair of basal lip calli, which are marginally covered externally by the ventral flanks of the column, unlike *C. ramosissimum* which has slightly denticulate basal callus keels on the lip, and where the ventral columnar flanks are marginally placed between these keels.

## References:

Dalström, S. 2020. New combinations in *Cyrtochilum* (Orchidaceae: Oncidiinae). *Lankesteriana* 20(1): 21–29.



**LCDP:** *Cyrtochilum sodiroi* (Schltr.) Dalström. **A.** Habit. **B.** Flower. **C.** Dissected perianth. **D.** Ovary, column and lip, lateral view. **E.** Anther cap, dorsal and ventral view. **F.** Column, ventral and lateral view. **G.** Pollinarium, dorsal and ventral view.

