

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; isosyntype, 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. Antioquia: Urrao, Páramo del Sol, sector Santa Bárbara, 3550 m. 2 marzo 2013. *S. Vieira s.n* (LCDP voucher).

Epiphytic herb, sympodial, 18–25.4 cm tall excluding the inflorescence. *Pseudobulbs* heteroblastic, ovate, 3.8–4.2 × 1.2–1.6 cm. *Leaves* 1 per pseudobulb, pseudopetiolate, oblong-elliptic, coriaceous, smooth, conduplicate near the base, with the base cuneate, with foliaceous sheaths covering the pseudobulb, 7.4–21.5 × 1.2–2.5 cm. *Inflorescence* paniculate, basal, erect, up to 34.5 cm long; *floral bracts* brown, hyaline, lanceolate, acuminate, sheathing the peduncle, 0.7–1.1 cm. *Ovary* light green, costate, striate, 2.2 cm long with the pedicel. *Flowers* with sepals and petals whitish-pink, primrose-purple spotted, the lip magenta until the basal half, then completely white. *Sepals* narrowly elliptic-lanceolate, base unguiculate, margins undulate, attenuate; *dorsal sepal* 1.88 × 0.84 cm; *lateral sepals* 2.42 × 0.77 cm. *Petals* narrowly elliptic-lanceolate, the base cuneate, margins undulate, acuminate, 1.69–1.99 × 0.71–0.76 cm. *Lip* ovate-lanceolate, slightly contracted medially, ribbed distally, undulate; base truncate; callus fleshy, consisting of a basal pair of parallel, elongate protuberances, followed by 2 oblique elongate keels and 3 lower keels, 1.61 × 0.62 cm. *Column* erect, 1 central keel, long foot with marginals wings, slightly contracted towards the middle, 8.63 × 2.93 mm. *Pollinia* 2, yellow, white stipite and a brown to yellow viscidium, 1.95 × 1.09 mm. *Anther cap* apical, elliptic yellowish, 2.0 × 2.0 mm.

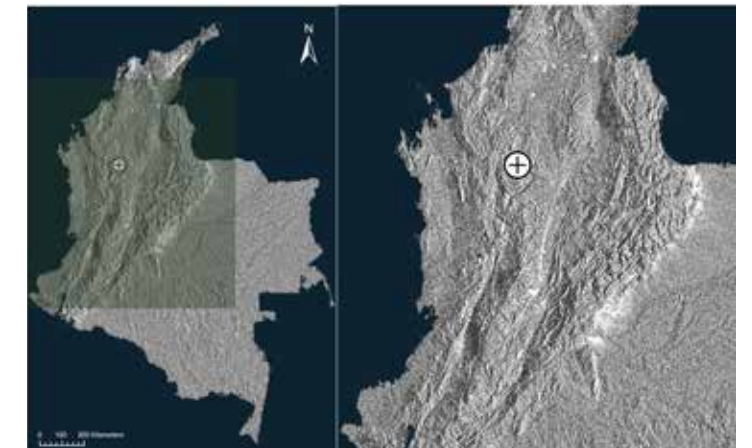
Eponymy: In honor of the Jesuit priest Luis Sodiro (1836–1909), who made the two Ecuadorian collections on which Rudolf Schlechter based the description of *Odontoglossum sodiroi*.

This plate documents a conspicuous colour morph of *Cyrtochilum*

sodiroi, characterized by fully spreading flowers with whitish-pink perianth densely spotted with purple and a sharply bicoloured lip, magenta on the basal half and white distally. Vegetatively, the plants are small (short pseudobulbs and a single leaf per pseudobulb) and bear a relatively short paniculate inflorescence. Despite the striking pigmentation, the structural characters match *C. sodiroi*, particularly the overall lip–callus architecture (basal paired protuberances followed by oblique keels and distal keels) and the column with a central keel and a long, winged foot. We interpret these differences primarily as intraspecific variation in pigmentation and plant size (potentially ecophenotypic), rather than evidence of taxonomic separation.

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.** Column, ventral, and lateral view. **F.** Pollinarium and anther cap, ventral and dorsal view.

