

*Pleurothallis tonduzii*

SCHLTR.

BEIH. BOT. CENTRALBL., ABT. 2. 36(3): 397. 1918

**Synonyms:** *Acronia tonduzii* (Schltr.) Luer, Monogr. Syst. Bot. Missouri Bot. Gard. 103: 199. 2005.  
*Zosterophyllanthos tonduzii* (Schltr.) Szlach. & Kulak, Richardiana 6(4): 193. 2006.

**Type:** Costa Rica. [Alajuela:] Forêts de San Ramón 1500–1600 m, May 1913, A. Tonduz s.n. (holotype, B, destroyed; neotype, designated by Pupulin *et al.*, 2016: 310: tracings of the original drawing of the holotype, made under Schlechter's supervision, AMES-23680; illustration of the flower from the holotype published by Mansfeld, 1931: no. 144).

**Illustrated specimen:** Costa Rica. Alajuela: Bajos del Toro, Cataratas, without collector. December 1999, flowered in cultivation at Jardín Botánico Lankester, 11 Jun 2019. JBL-02455 (JBL; LCDP voucher).

**Plant** epiphytic, caespitose, erect, up to 23 cm tall. **Roots** slender, flexuous, 1–2 mm in diameter. **Ramicauls** terete, slender, 4–10 cm long, 1–2 mm in diameter, dark green, with 1–3 basal, tubular, obtuse sheaths, the lowest ones much shorter, 1–5 cm long, dry-papyraceous, brown when mature. **Leaf** borne at the apex of the ramicaul, erect, slightly arched towards the apex, coriaceous, flexible, sessile, narrowly-elliptic, acute, 5–13 × 1–2 cm, obtuse at the base, the basal margins suberect, the margin flat, dark green. **Inflorescence** a successive, solitary flower, subtended by a bract ca. 1 mm long, green, becoming brown, dry-papyraceous when mature. **Pedice**l terete, green, 13 cm long. **Ovary** terete, curved, 7 mm long. **Flowers** spreading-inflexed, the sepals yellow, stained light purple, the dorsal sepal adaxially brownish and abaxially vinaceous along veins, the petals vinaceous, the lip dark fuchsia, lustrous, the column light fuchsia. **Dorsal sepal** arched, concave, ovate, acute, 15 × 8 mm, the margins inflexed, seven-veined. **Lateral sepals** connate into an ovate, acute, synsepal, the margins inflexed, 12–13 × 9 mm, each half four-veined. **Petals** narrowly linear-lanceolate, acuminate, denticulate, divergent, apically somewhat inflexed at maturity, 9 × 2 mm, one-veined. **Lip** unguiculate, hinged to the column foot, thick, fleshy, almost porrect, pandurate, basally truncate with rounded angles, abruptly recurved on the apical third, subacute, the sides denticulate, revolute on the distal half, when spread out 7 × 5 mm, minutely verrucose; glenion raised

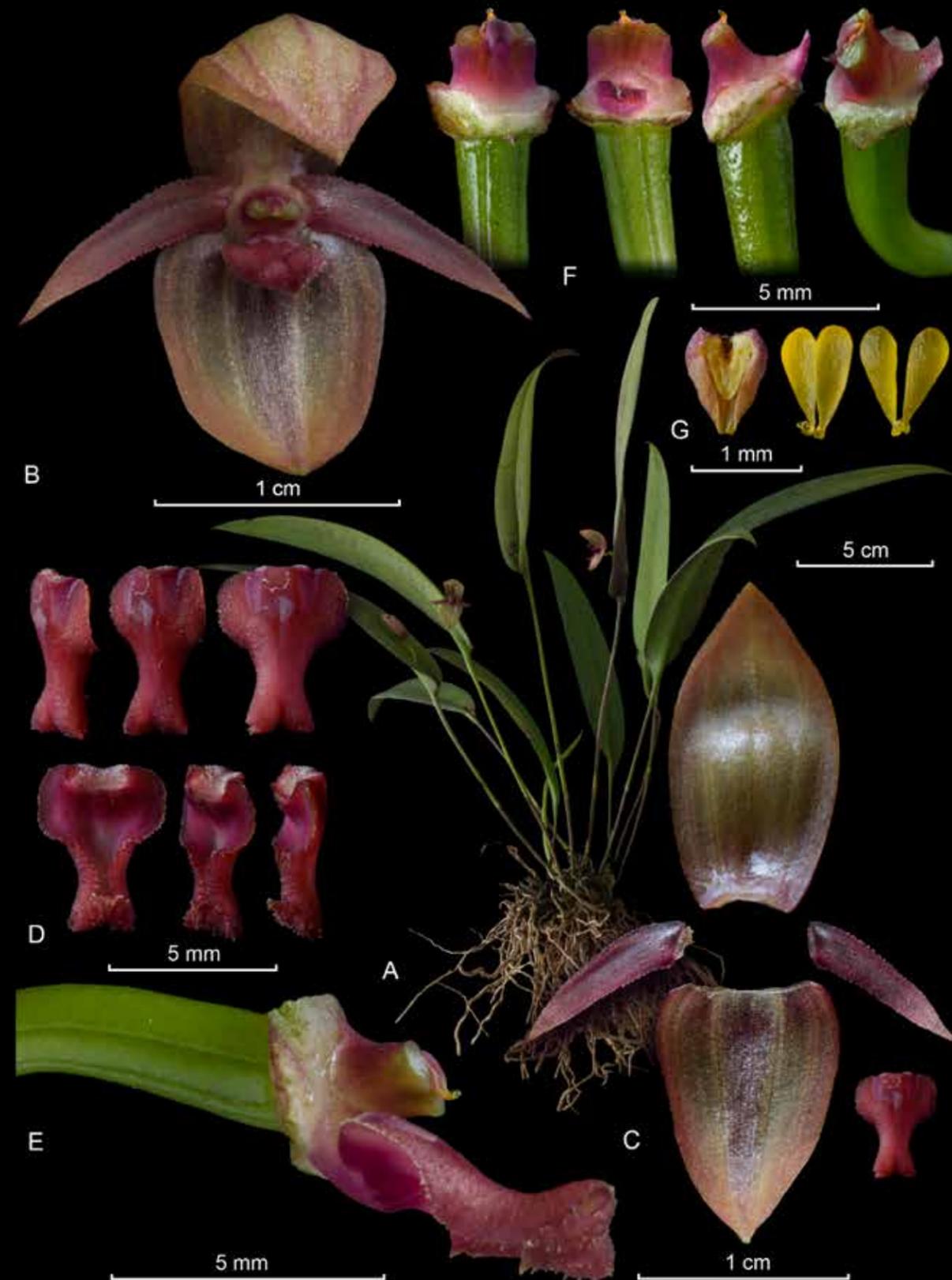
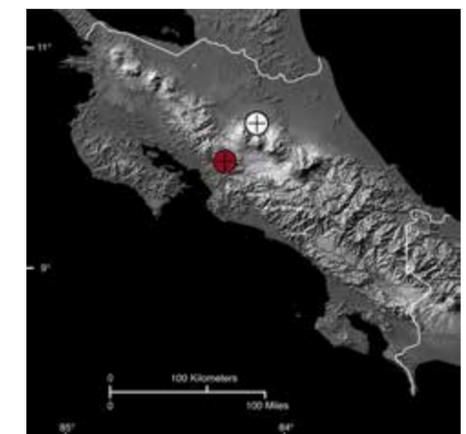
on a minute, dull callus on the disk, less than 1 mm long. **Column** short, stout, transversely subrectangular, dorsiventrally complanate, with a thick foot ca. 1 mm long, 2 × 2 mm, the anther apical, the stigma apical, bilobed. **Anther cap** cucullate, ovate, subtruncate, truncate, two-celled, 0.95 × 0.75 mm. **Pollinia** two, claviform, 1.0 × 0.35 mm, attached to a globose viscidium.

**Eponymy:** Named after the Swiss botanist Adolphe Tonduz, who discovered the species.

*Pleurothallis tonduzii* can be distinguished by the combination of long, narrow, erect leaves, apically arched, the dark fuchsia, pandurate, verrucose lip, almost porrect, abruptly recurved on the apical third, and the sides revolute on the distal half. It is similar to *Pleurothallis telamon* Luer (a species described from Panama), which has horizontal to pendulous leaves and an oblong, flat lip.

**References:**

Luer, C. A. 2005. Icones Pleurothallidarum XXVII: *Dryadella* and *Acronia* section *Macrophyllae-Fasciculatae*. Monogr. Syst. Bot. Missouri Bot. Gard., 103, 1–311.



**LCDP:** *Pleurothallis tonduzii* Schltr. A. Habit. B. Flower, front view. C. Perianth dissected and flattened. D. Lip, adaxial and oblique view (above), abaxial, oblique and lateral view (under). E. Ovary, column and lip, lateral view. F. Column, dorsal, ventral and lateral view. G. Anther cap, ventral view. Pollinarium, two views.

