

EPIDENDRUM ABBOTTII L. Sánchez & Hágsater  
THE GENUS EPIDENDRUM PART 3

*EPIDENDRUM ABBOTTII* L. Sánchez et Hágsater, *sp. nov.*

Type: DOMINICAN REPUBLIC: Jovero, near sea level, Dec 6, 1923, *W. L. Abbott 2901*. Holotype: AMES! (illustration voucher). Isotype: US!

*Epidendro boricuarum* Hágsater & L. Sánchez simile sed sepalis trinervatis, petalis lineari-lanceolatis uninervatis, labelli lobulis lateralibus ad marginem leviter sinuatis, lobulo medio apiculato, clinandrio prominentissimo erosoque differt.

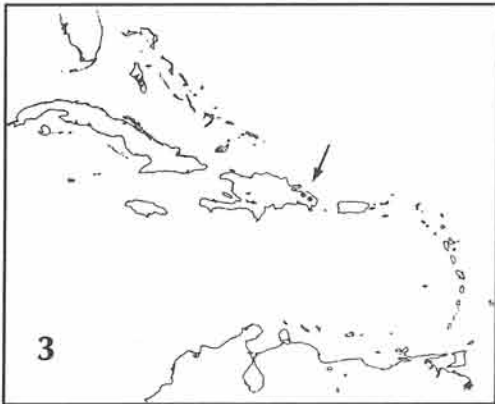
**Hierba** epífita, cespitosa, 18-34 cm de alto incluyendo la inflorescencia. **Raíces** basales, carnosas, 1.0-1.5 mm de grosor. **Tallos** sencillos, tipo caña, algo lateralmente comprimidos, 12-31 cm. **Hojas** 7-12, equidistantes a lo largo del tallo, erectas; vaina algo lateralmente comprimida, lisa, 1.5-2.0 cm de largo; lámina angostamente elíptico lanceolada, ápice asimétricamente bilobado, margen entero, coriácea, sin carina dorsal, color verde, 3.5-9.0 x 1.0-2.0 cm. **Inflorescencia** apical en el tallo maduro, florece una sola vez, subumbelada, sésil. **Brácteas florales** más cortas que el ovario, triangulares, acuminadas, 5-9 x 1.5-2.0 mm. **Flores** 4-7, simultáneas, resupinadas, color amarillo verdosas, fragancia no registrada. **Ovario** no inflado, terete, diminutamente papiloso, 30-40 x 0.7-0.9 mm. **Sépalos** extendidos, libres, glabros, membranáceos, elípticos, agudos, margen entero, ligeramente revolutos, 3-nervados, 11-12 x 3.0-4.0 mm; los laterales ligeramente oblicuos. **Pétalos** entreabiertos, membranáceos, linear lanceolados, obtusos, margen entero, extendido, 1-nervado, 9.5-10 x 0.9-1.0 mm. **Labelo** unido a la columna, membranáceo, ligeramente trilobado, base cordada, reniforme en contorno general, 6.0-6.4 x 10.7-11 mm; bicalloso, los callos laminares, separados y paralelos entre sí; lobulos laterales ovados, margen ligeramente sinuado, 3.5 x 5.2 mm; lóbulo medio corto y ancho, apiculado, 0.7 x 4.2 mm. **Columna** ligeramente arqueada, gruesa, diminutamente papilosa, 7.0-9.0 mm. **Clinandrio** prominente, erosivo. **Antera** subsférica, no ornamentada, 4-locular. **Polinios** 4, subglobosos, lateralmente comprimidos, subiguales; caudículas suaves y granuladas, ligeramente más largas que los polinios. **Rostelo** apical, hendido. **Lóbulos laterales del estigma** cortos, de un tercio de la cavidad estigmática. **Nectario** penetrando 1/2 del ovario, no ornamentado. **Cápsula** subelipsoide, 15-20 x 6.5-7.5 mm.

Epiphytic, caespitose **herb.** **Stems** somewhat laterally compressed. **Leaves** 7-12, erect, narrowly elliptic-lanceolate, bilobed, margin entire, coriaceous. **Inflorescence** apical, subumbellate, sessile. **Floral bracts** smaller than the ovary, triangular, acuminate. **Flowers** 4-7, simultaneous, resupinate, greenish-yellow. **Ovary** not inflated, terete, minutely papillose. **Sepals** spreading, free, glabrous, membranaceous, elliptic, acute, margin entire, slightly revolute, 3-veined; the laterals slightly oblique. **Petals** spreading, membranaceous, linear-lanceolate, obtuse, margin entire, 1-veined. **Lip** united to the column, membranaceous, shallowly three-lobed, reniform in outline; bicallose, the calli laminar, separated, parallel; lateral lobes ovate, slightly sinuate; midlobe short and wide, apiculate. **Column** slightly arcuate, minutely papillose. **Clinandrium** prominent, erose. **Anther** subspheric, unornamented, 4-locular. **Pollinia** 4, subglobose, laterally compressed. **Rostellum** apical, slit. **Nectary** penetrating one half of the ovary, unornamented. **Capsule** subellipsoid.

**OTHER SPECIMENS:** DOMINICAN REPUBLIC: Liali, *W. L. Abbott 2655*, US! *Seibo*: Vicinity of Higüey, *Howard & Howard 9818*, AMES! NY!

**DISTRIBUTION AND ECOLOGY:** Known only from the eastern end of the Dominican Republic. Epiphyte, from sea level to 500 m altitude. Flowering and fruiting from November to February.

**RECOGNITION:** *Epidendrum abbottii* belongs to the *difforme* group, and can be recognized by somewhat laterally compressed stems, 3-veined sepals, linear-lanceolate, 1-veined petals, lateral lobes of the lip with a slightly sinuate margin, short apiculate midlobe, clinandrium very prominent and erose. *Epidendrum boricuarum* Hágsater & L. Sánchez has 5-veined sepals, oblanceolate, 3-veined petals, midlobe emarginate, forming two suborbicular lobules, clinandrium not prominent. *Epidendrum floridense* Hágsater has terete stems, oblanceolate, 3-veined petals, a cordate lip with an entire margin. *Epidendrum umbellatum* Sw. has large, vigorous plants, laterally compressed stems, narrowly obovate, 3-veined petals, lateral lobes of the lip with entire margin and bilobed midlobe. *Epidendrum orientale* Hágsater & M.A. Díaz has compact plants, terete stems, oblanceolate, 3-veined petals, bilobed lip with the lobes subovate and sometimes notched at the margin, giving the impression of a 4-lobed lip. *Epidendrum difforme* Jacq. has strongly laterally compressed, ancipitose stems, 5-veined sepals, ligulate-lanceolate, 3-veined petals, lateral lobes of the lip entire, the midlobe subquadrate, clinandrium short. *Epidendrum crenulidifforme* L. Sánchez & Hágsater, also from the Dominican Republic, has smaller plants, terete stems, 5-veined sepals, 3-veined petals, and an entire lip with crenulate margin.



**CONSERVATION STATUS:** DD. Data deficient.

**ETYMOLOGY:** This species is dedicated to W. L. Abbott, who collected the material from which the type was prepared. He collected numerous orchids in the Dominican Republic between 1920 and 1923 and deposited them mainly at AMES and US.

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