

EPIDENDRUM ANASTASIOI Hagsater
Text on the reverse side

EPIDENDRUM ANASTASIOI Hágsater, *sp. nov.*

Holotype: COSTA RICA: [Cartago:] East Turrialba, alt. 1200 m, 1 Oct. 1924, *A. Alfaro s.n.*, US (1207271)! (illustration voucher). Isotypes: AMES (29086)! US (1207281)!

Epidendro chlorocorymbi Schltr. simile, sed differt caulibus aliquantum lateraliter compressis, labello callis elongatis, rotundatis, lobis lateralibus semiovatis, margine sinuato, apice sino lato duos lobos semiorbiculares formanti, et columna graciliore.

Hierba epífita, cespitosa, 15-25 cm de alto. Raíces basales, carnosas, 1-2 mm de grosor. Tallo sencillo, tipo caña, algo comprimido lateralmente, ligeramente en zig-zag, 13-18 cm de alto. Hojas 5-9, equidistantes a lo largo del tallo; vaina lateralmente comprimida, lisa; lámina subcoriácea, elíptica, ápice asimétricamente bilobado, margen entero, lisa, verde, 4.5-7 x 1.5-2.8 cm. Inflorescencia terminal en el tallo maduro, florece una sola vez, subumbelada, pedunculada. Bráctea floral mucho más corta que el ovario, 6-13 mm de largo. Flores 15-22, simultáneas, resupinadas, verdes. Ovario no inflado, terete, no ornamentado, 21-28 mm de largo. Sépalos subcoriáceos, extendidos, libres, glabros. Sépalo dorsal elíptico, agudo, márgenes enteros, revolutos, 5-nervado con 4 nervios subsidiarios intermedios, 13-16 x 4-4.5 mm. Sépalos laterales oblicuamente elípticos, ligeramente falcados, agudos, márgenes enteros, revolutos, 5-nervados con 2 nervios subsidiarios a los lados del nervio medio, 13-16 x 4.5-5 mm. Pétalos membranáceos, oblanceolados, agudos, márgenes enteros, extendidos, 3-nervados, 13-15 x 1.3-1.8 mm. Labelo unido a la columna, trilobado, 8-9 x 14-17 mm, con una carina central muy baja, bicaloso, los callos angostos, redondeados; lóbulos laterales semiovados, margen sinuado; lóbulo medio con un seno muy amplio, formando dos lóbulos semiorbiculares poco prominentes. Columna recta, 9 mm de largo. Clinandrio corto, entero, irregularmente dentado. Antera subsférica, esparcidamente papilosa, 4-locular. Polinios 4, obovoides, lateralmente comprimidos, subiguales; caudículas suaves y granulosas; viscidio viscoso, translúcido. Rostelo apical, hendido. Nectario profundo, penetrando un tercio del ovario, no ornamentado. Cápsula no vista.

Epiphytic, caespitose herb. Stem simple, reed-like, somewhat laterally compressed, slightly zigzag. Leaves 5-9, elliptic, apex unequally bilobed. Inflorescence terminal, from the mature stem, flowers only once, subumbellate, pedunculate. Flowers 15-22, resupinate, simultaneous, green. Sepals subcoriaceous, glabrous, free. Dorsal sepal elliptic, acute, margins entire, revolute, 5-veined, with 4 subsidiary veins. Lateral sepals obliquely elliptic, acute, slightly falcate, margins entire, revolute, 5-veined, with 2 subsidiary veins. Petals membranaceous, oblanceolate, acute, margins entire, spreading, 3-veined. Lip united to the column, 3-lobed, bicallose, the calli narrow, rounded; lateral lobes semiovate, margins sinuate; midlobe with a very wide apical sinus, forming two semiorbicular, slightly protruding lobules. Column straight. Clinandrium short, entire, unequally dentate. Anther subspherical, sparsely papillose, 4-celled. Pollinia 4, obovoid, laterally compressed; caudicles soft and granulose; viscidium viscous, translucent. Rostellum apical, slit. Nectary deep, penetrating 1/3 of the ovary.

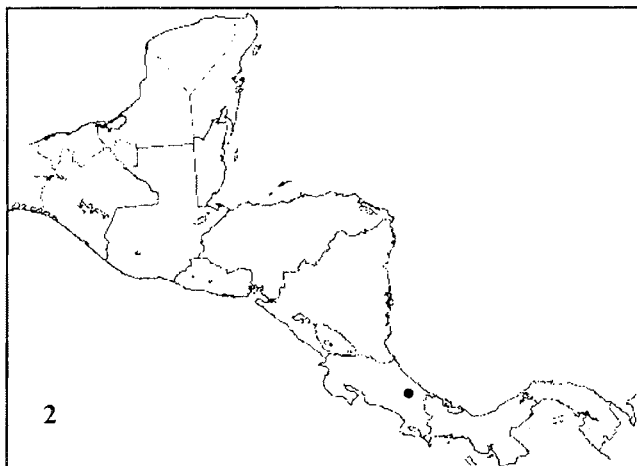
OTHER SPECIMENS: COSTA RICA: [Cartago:] *Alfaro s.n.* (3 Oct. 1924), US! *Alfaro s.n.* (14 Dec. 1924), AMES! US!

DISTRIBUTION AND ECOLOGY: Apparently endemic to Costa Rica. Epiphyte at 1200 m altitude. Flowering from October to December.

RECOGNITION: This species is a member of the *E. difforme* Jacq. complex, and can be recognized by the somewhat laterally compressed stems, 3-lobed, bicallose lip with narrow, rounded calli, lateral lobes semiovate with sinuate margins, midlobe with a very wide sinus forming two somewhat prominent, semiorbicular lobules, and clinandrium short, irregularly dentate. It is similar to *E. chlorocorymbos* Schltr., which has larger plants with terete stems, subglobose calli, and 3-lobed lip with semiorbicular lateral lobes, the midlobe with a narrow apical sinus forming two prominent lobules.

CONSERVATION STATUS: Undetermined. The scarcity of herbarium material is noticeable.

ETYMOLOGY: Dedicated to Anastasio Alfaro, who collected all the specimens of this species known to us.



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Plate 106

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