



FIGURE 7. *Maxillaria tutae* J.T. Atwood. Drawn by S. Dalström based on Knapp et al. 2641 (SEL).

***Maxillaria tutae* J.T. Atwood, sp. nov.**

FIGURE 7.

A *Maxillariae tricarinatae* J.T. Atwood affinis labello non tricarinato recedit.

TYPE: PANAMA. Prov. Veraguas: Trail on ridge to summit of Cerro Tute [possibly Cerro Arizona misnamed (R.L. Dressler pers. comm.)], Cordillera de Tute, 1 km past Escuela Agricola Alto se de Piedras, W of Santa Fe. Upper montane and elfin forest, 1,250–1,410

m, Knapp and Sytsma 2641 (Holotype: SEL; Isotype: MO).

Plant a shrub about 1 m high. Stems erect or decumbent, monopodial (at least as adults); roots to about 1.5 mm in diameter. Pseudobulbs lacking in adult shoots; juvenile shoots unknown. Leaves rather stiff with conspicuously rugose sheaths, the blades not narrowed above

the somewhat oblique articulation, not petiolate; blades elliptic, carinate beneath, to 10×2.5 cm, obtuse to somewhat unequally 2-lobate. Inflorescences 2 or more per leaf axil; scape ca. 5 cm, mostly concealed by the subtending leaf; ovary ca. 1 cm long. Flowers campanulate, according to collectors white with yellow column. Sepals elliptic-lanceolate, $2-2.4 \times 0.7-0.75$ cm, acute. Petals elliptic-falcate, $1.8-2 \times 0.6-0.65$ cm, acute. Lip hinged with the column foot, 3-lobate just above the middle, somewhat canaliculate below, ca. 1 cm long in natural position and difficult to spread; lateral lobes embracing the column, rounded, midlobe strongly recurved, ca. 4×4 mm; callus fleshy, ligulate. Column stout, ca. 4 mm long excluding anther, foot 3-4 mm long; anther unknown. Capsule unknown.

ETYMOLOGY: named for the mountain on which it was discovered.

Maxillaria tutae is known only by the type collection. It is most closely related to *M. tricarinata* with which it shares the plant habit and general flower size and general lip shape. However, that species has bright rose purple flowers with three keels on the base of the lip which is fixed to the column. It grows in montane rain and elfin forests.