

87. CHANGNIENIA S. S. Chien, *Contr. Biol. Lab. Sci. Soc. China, Bot. Ser.* 10: 89. 1935.

独花兰属 *du hua lan shu*

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Herbs, terrestrial, small, with subterranean pseudobulbs. Pseudobulbs cormlike, often persisting and forming a chain, few noded, with a solitary leaf and a solitary inflorescence at apex. Leaf blade elliptic to broadly ovate, plicate, base abruptly contracted into a long petiole-like stalk, apex acute. Inflorescence erect, terminal, with 2 or 3 tubular sheaths, 1-flowered. Flower terminal, rather large, resupinate. Sepals and petals free, spreading, similar. Petals slightly wider and shorter than sepals; lip relatively large, 3-lobed, spurred at base; spur \pm hornlike, thick and large, attenuate toward apex; disk with lamellae. Column erect, incurved, winged; anther incumbent; pollinia 4, in 2 pairs, waxy, directly attached to a subsquare viscidium.

• One species: China.

1. *Changnienia amoena* S. S. Chien, *Contr. Biol. Lab. Sci. Soc. China, Bot. Ser.* 10: 90. 1935.

独花兰 *du hua lan*

Pseudobulb nearly pale yellowish white, subellipsoid to broadly ovoid, $1.5\text{--}2.5 \times 1\text{--}2$ cm, fleshy, 2- or 3-noded, \pm covered with membranous sheaths, with a solitary leaf at apex. Leaf blade spreading, recurved, abaxially purplish red, adaxially dark green, broadly ovate-elliptic to broadly elliptic, $6.5\text{--}11.5 \times 5\text{--}8.2$ cm, base rounded or subtruncate, apex acute or shortly acuminate; petiole-like base suberect, purple, channeled, $3.5\text{--}8$ cm. Inflorescence purple, $10\text{--}17$ cm, with 2 or 3 membranous, amplexicaul sheaths; sheaths $3\text{--}4$ cm; floral bract deciduous, small. Flower spreading, large, white or pink, lip white with purplish red spots in basal $2/3$; pedicel and ovary $7\text{--}9$ mm.

Sepals oblong-lanceolate, $27\text{--}33 \times 7\text{--}9$ mm, 5–7-veined, apex obtuse; lateral sepals slightly oblique. Petals narrowly obovate-lanceolate, slightly oblique, $25\text{--}30 \times 12\text{--}14$ mm, 7-veined, apex obtuse; lip oblate-orbicular in outline, slightly shorter than petals, 3-lobed, spurred at base; lateral lobes erect, ovate-triangular, oblique, $11\text{--}14 \times 10\text{--}13$ mm, apex acute; mid-lobe spreading horizontally, broadly obovate, ca. 8×12 mm, margin irregularly undulate-incised, apex truncate and emarginate; disk with 5 short lamellae between lateral lobes; spur slightly incurved, narrowly obconic, $20\text{--}23 \times 7\text{--}10$ mm, attenuate toward apex, apex obtuse. Column $18\text{--}21$ mm, winged. Fl. Apr. $2n = 46^*$.

• Humus-rich soil in open forests, shaded places along valleys; $400\text{--}1100(-1800)$ m. Anhui, Hubei, Hunan, S Jiangsu, Jiangxi, Shaanxi, Sichuan, Zhejiang.

