

Caulis basi ligurescens, obliquus, e basi valde ramosus, ad axillas foliorum glomerulis floccosis praeditus, ramis sparse arachnoideo-tomentosis scaberulisque gracilibus monocephalis. Folia inferiora oblanceolata 3.5-5.5 cm longa runcinato-pinnatifida, apice obtusa basi attenuata, utrinque glabrata, folia ramealia oblongo-linearia remote pinnatifida, vel linearia integra, sursum gradatim minora, 2.5-8 mm longa apice cartilagineo-spinulosa basi sessilia utrinque plus minus arachnoideo-tomentosa. Capitula cernua 2.5-3 cm lata in sicco. Involucrum basi rotundatum circ 18 mm longum et latum, squamae multiseriales arachnoideo-tomentosae, exteriores gradatim breviores, extimae lineari-lanceolatae apice spinulosae 2-3 mm longae strictae, mediae lineari-lanceolatae 5-8 mm longae dorso unicostatae spinulosae, intimae 15-17 mm longae attenuatae dorso unicostatae margine scaberulae. Receptaculi setae 3-4 mm longae. Corolla purpurea (sec NAKAO), 16 mm longa, tubo angusto 6 mm longo, lobis 4 mm longis. Achenia 4 mm longa 2 mm lata basi areola valde obliqua, longitudinaliter multistriata, glabra. Pappus albus 11 mm longus, setis inaequilongis barbellatis basi in anulum connatis.

W. Pakistan, Karakoram: Near Nagir 2600 m (Aug. 20, S. NAKAO)—Typus in Herb. Univ. Kyoto.

Distr. Endemic.

PAMPANINI listed only *Tricholepis tibetica* in his Fl. Carac. 222. This species differs from *T. tibetica* by the pappus connate at the base, and 11 mm long. The stem and branches sparsely arachnoid-tomentose and scaberulous, not glabrous as *T. tibetica*.

T. furcata was described from Gosain Kunde, Nepal, and figured in DELESS., Ic. IV: t. 24. *T. furcata* has the pappus connate at the base as *T. Nakaoi*, but the involucral scales reflexed (not straight as *T. Nakaoi*) and has larger heads.

T. Stewartei was described from Punjab, and has the glabrous stem and leaves.

Youngia Honda KITAMURA sp nov.

Caulis 30 cm altus inferne 4 mm diametro e basi valde ramosus, ramis divaricatis flexuosis glabris. Folia caulina inferiora sub anthesi emarcida, caulina inferiora obovato-oblonga 2.2-3 cm longa 10-15 mm lata apice obtusa basi amplexicaulia, margine irregulariter sinuato-dentata, textura crassa, utrinque glabra, folia caulina superiora sursum gradatim minora, superiora lanceolata vel bracteiformia. Capitula numerosa, pedunculis demum 5-27 mm longis sparse pilosis. Involucrum sub anthesi 7-8 mm longum 5 mm latum, albo-tomentosum, in fructu 10 mm longum, squamae exteriores ovatae 1 mm longae sub apice corniculatae, interiores 8, lineares demum 9 mm longae 1.5 mm latae apice obtusae sub apice corniculatae, margine hyalinae. Receptaculum alveolatum. Achenia brunnea, cylindrica 4.5 mm longa.

W. Pakistan, Karakoram: Between Imit and Ishkuman (Oct. 5, 1956 K. HONDA)—Typus in Herb. Univ. Kyoto.

Distr. Endemic.

This species is distinct by the thick glabrous leaves, and the densely tomentose involucre.