

**Habitat:** Mountain slopes, meadow slopes, stony slopes, pine forests [2–5].

**Parts used:** Flower

**Use in Mongolian Traditional Medicine:** The taste is sweet and potency is cool. It is used for the following: to increase urination, to decrease edema and to promote phlegm. The flowers are used for hemostatis, to dry out lymph, to treat wounds and and for menorrhagia. It is an ingredient of the following traditional prescriptions: Davsen-6, Bushelz-7, Luded-18 [5–9].

**Chemical constituents:** Alkaloids [10,11], carotinoids [12], flavonoids: rutoside, kaempferol-3-*O*-rutinoside, and isorhamnetin-3-*O*-rutinoside [13].

**Bioactivities:** anti-inflammatory, spasmolytic, liver protective [14].

## References:

1. Olziikhutag, N. (Ed). (1983). Latin-Mongolian-Russian Dictionary of Vascular Plants of Mongolia (p. 74). Ulaanbaatar: Press of Mongolian Academy of Sciences.
2. Gubanov, I.A. (1996). Conspectus on Mongolian Flora (vascular plants) (p. 136). Moscow: Valang Press.
3. Malishev, L.I., and Peshkova, G.A. (1979). Flora of Central Siberia (Vol. 2, p. 224). Novosibirsk: Science Printing.
4. Sanchir, Ch., Batkhuu, J., Boldsaikhan, B., and Komatsu, K. (2003). Illustrated Guide of Mongolian Useful Plants. (Vol. 1, p. 153). Ulaanbaatar: Admon Printing.
5. Ligaa, U., Davaasuren, B., and Ninjil, N. (2005). Medicinal Plants of Mongolia Used in Western and Eastern Medicine. (p. 286). Ulaanbaatar: JCK Printing.
6. Yuthok Yonten Gonpo., Four Medical Tantras, VIII-IXth century.
7. Danzanpuntsag., Crystal rosary. XVIIIth century.
8. Boldsaikhan, B. (2004). Encyclopedia of Mongolian Medicinal Plants (p. 146). Ulaanbaatar: Mongolian University of Science and Technology.
9. Khurelchuluun, B., Suran, D., and Zina, C. (2007). Illustrated Guide of Raw Materials Used in Traditional Medicine. (p. 184). Ulaanbaatar: Erkhesh Printing.
10. Antsupova, T.P. (1976). Alkaloid content in some species of *Lilium* of Buryati. *Rastit. Resur.* 11, 497.
11. Antsupova, T.T. (1976). Dynamics of alkaloid content in some species of *Lilium* of Buryati. *Rastit. Resur.* 12, 542.
12. Partali, V., Liaaen-Jensen, S., Huneck, S., and Khaidav, Ts., Carotenoids from the flowers of *Lilium pumilum*. *Pharmazie* 1987. 42, 208.
13. Obmann, A., Tsendayush, D., Thallhammer, T., Zehl, M., Nha Vo, T.P., Purevsuren, S., Natsagdorj, D., Narantuya, S., Kletter, C., and Glasl, S. (2010). Extracts from the Mongolian traditional medicinal plants *Dianthus versicolor* Fisch. and *Lilium pumilum* Delile stimulate bile flow in an isolated perfused rat liver model. *J. Ethnopharmacol.* 31, 555.
14. Tsend-Ayush, D. (2001). Pharmacological analysis of *Lilium pumilum* Delile (flower's infusion), its influence on blood coagulation on toxic hepatitis. (p. 94). A thesis submitted for the degree of Doctor of Philosophy in Medicine. Ulaan-Ud: Institute for General and Experimental Biology.