[**Product Name**] Lycoris Radiata Herb Extract

[**Synonym**] Lycoris Radiata Extract; Shorttube Lycoris Extract

[**Source**] *Lycoris radiata* (L.Herit.) Herb

[**Used Part**] Bulb

[**Specification**] 98%, 99%, 99.5% Galanthamine hydrobromide

[**Detection Method**] HPLC

[**Characteristics**] White to off-white crystalline powder.

[**Package**]
25 kgs/drum. Packed in paper-drums and two plastic-bags inside. Or according to customer's requirements.

[**Storage Situation**]
Stored in a cool and dry well-closed container, keep away from moisture and strong light / heat.

[**Shelf Life**]
Two Years under well storage situation; Tightly sealed in a clean, cool, dry area. Keep away from diret light.

[**Function**]
Galanthamine is natural extracted from Lycoris radiate, is a tertiary alkaloid derived from snowdrop and closely related species. Galanthamine extract is specific, competitive and reversible acetylcholinesterase inhibitor. It acts as a reversible competitive acetylcholinesterase (AChE) inhibitor, while acts weaker on butyrylcholinesterase (BuChE). It is used in the treatment of disorders of the central nervous system and may be used as an antidote to nonpolarizing muscle relaxants. It is also an allosteric modulator at
nicotinic cholinergic receptor sites potentiating cholinergic nicotinic neurotransmission. Both the acetylcholine and nicotine receptors have been suggested as areas related to cognitive impairment. Initially, Galanthamine extract was used in anesthesiology to antagonize the effects of non-depolarizing muscle relaxants, and since then it was rapidly introduced in other areas of medicine, i.e. neurology, ophthalmology, gastroenterology, intensive care and resuscitation, cardiology, physiotherapy.

Galanthamine extract is a product with broad therapeutic index, allowing "soft" manifestation of its effect with individual dosing depending on the particular case.

Galantamine has been used for decades in Eastern Europe and the USSR for various indications such as treatment of myasthenia, myopathy, and sensory and motor dysfunction associated with disorders of the central nervous system.