Claims

[Claim 1]

Use of an agent comprising ornithine or a salt thereof for the manufacture of a medicament for treating circadian rhythm sleep disorder, age-related sleep disorder and a combination thereof by advancing and bringing forward timing of melatonin secretion increase.

[Claim 2]

The use of an agent according to claim 1, wherein the circadian rhythm sleep disorder is jet lag syndrome, shift work sleep disorder, delayed sleep-phase syndrome, or non-24-hour sleep-wake disorder.

[Claim 3]

The use of an agent according to claim 1, wherein the age-related sleep disorder is wake after sleep onset, or insomnia.

[Claim 4]

The use of an agent according to claim 1, wherein the agent comprises 1 to 70% by weight of ornithine or a salt thereof.

[Claim 5]

The use of an agent according to claim 1, wherein the medicament is to be administered to advance timing of melatonin secretion increase in a subject in need.

[Claim 6]

The use of an agent according to claim 5, wherein the subject in need is human or a non-human animal.

[Claim 7]

The use of an agent according to any of claims 1 to 6, wherein the medicament is to be administered to the human at a dosage of 50 mg to 30 g.

[Claim 8]

The use of an agent according to any of claims 1 to 6, wherein the medicament is to be administered to the non-human animal at a dosage of 1 to 5,000 mg per kg body weight.