CLAIMS

1. A method for preventing precipitation of an injection solution containing p-boronophenylalanine or a pharmaceutically acceptable salt thereof for boron neutron capture therapy comprising,

preparing the injection solution which comprises:

p-boronophenylalanine or a pharmaceutically acceptable salt thereof;~~,~~

a sorbitol~~sugar alcohol~~;~~,~~

one or more antioxidants selected from a group consisting of sodium pyrosulfite, sodium sulfite, and sodium bisulfite; and

a pH adjusting agent,

and pH of which is controlled to exceeding 7.5 and 8.0 or less.

2. A method for preventing precipitation of an injection solution containing p-boronophenylalanine or a pharmaceutically acceptable salt thereof for boron neutron capture therapy comprising,

preparing the injection solution which comprises:

p-boronophenylalanine or a pharmaceutically acceptable salt thereof;~~,~~

a sorbitol~~sugar alcohol~~;~~,~~

one or more antioxidants selected from a group consisting of sodium pyrosulfite, sodium sulfite, and sodium bisulfite; and

citric acid, lactic~~a pH adjusting agent, and the injection solution comprises at least one organic~~ acid or a salt thereof~~ as the pH adjusting agent~~,

and pH of which is controlled to 6.5 to 8.0.

~~3. The method for preventing precipitation according to claim 1 or 2, wherein the sugar alcohol is sorbitol or mannitol.~~

~~4~~3. The method for preventing precipitation according to ~~any one of~~ claim~~s~~ 1 or 2~~to 3~~, wherein a concentration of the sorbitol~~sugar alcohol~~ is 2.6 to 6.5 w/v%.

~~5~~4. The method for preventing precipitation according to any one of claims 1 to ~~4~~3, wherein a content ratio of the sorbitol~~sugar alcohol~~ is in a range of 0.9 to 3.0, in molar ratio, with respect to a content of p-boronophenylalanine.

~~6. The method for preventing precipitation according to any one of claims 2 to 5, wherein the organic acid is citric acid or lactic acid.~~

~~7~~5. The method for preventing precipitation according to any one of claims 2 to ~~6~~4, wherein an amount of citric acid, lactic acid ~~the organic acid~~ or a salt thereof is set to 0 to 8.3 w/v% of the injection solution.

~~8~~6. The method for preventing precipitation according to any one of claims 1 to ~~7~~5, wherein the injection solution is for an intravenous injection.