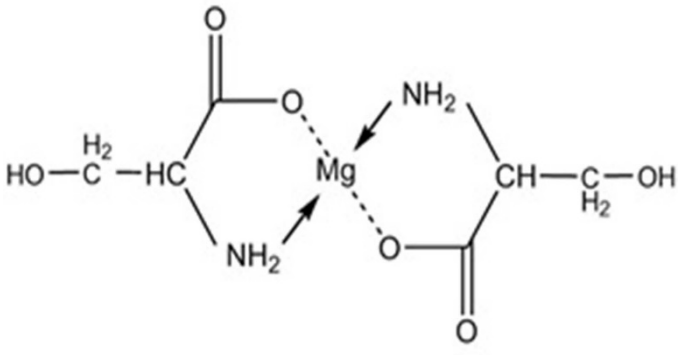
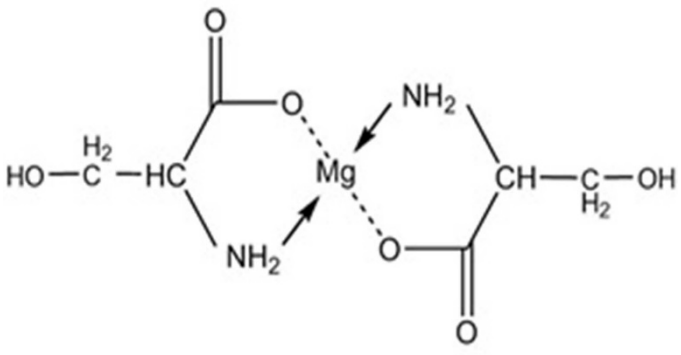
CLAIMS

1. A compound of the following Formula (I) or a pharmaceutically acceptable salt, solvate, hydrate or isomer of the compound:



(I).

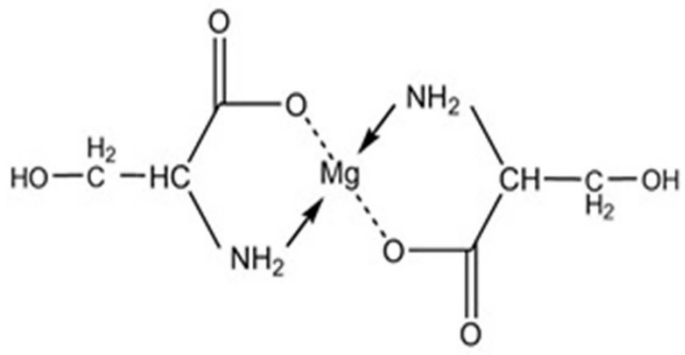
2. A method of producing a compound of the following Formula (I) by reacting MgO with L-serine:



(I).

3. The method of claim 2, wherein the reaction is performed at a temperature of 70 to 80°C.

4. A method of producing a compound of the following Formula (I) by reacting MgH_2 with L-serine:

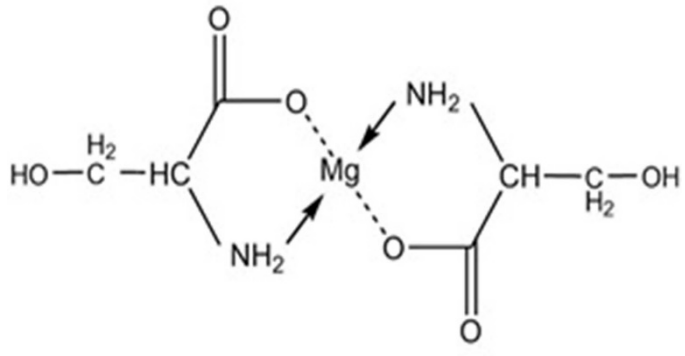


(I).

5. The method of claim 4, wherein the reaction is performed at room temperature.

6. The method of claim 4, wherein the reaction is performed at a temperature of 70 to 80°C.

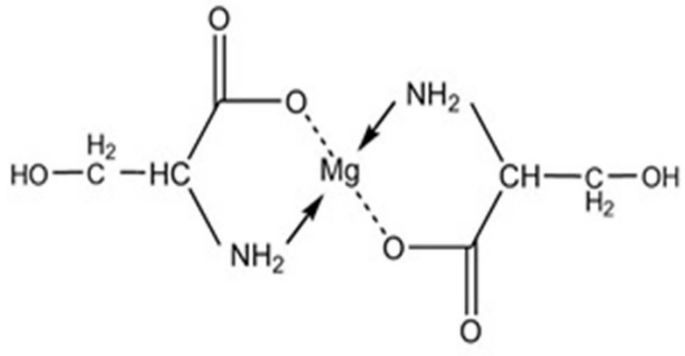
7. A pharmaceutical composition for use in preventing or treating central nervous system diseases, the pharmaceutical composition containing a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof as an active ingredient:



(I).

8. The pharmaceutical composition of claim 7, wherein the central nervous system diseases are selected from the group consisting of cognitive disorder, intellectual disability, microcephaly, epilepsy, neurodevelopmental disorder, dementia, autism spectrum disorder, Down’s syndrome, Rett's syndrome, fragile X syndrome, Alzheimer's disease, Parkinson's disease, Huntington's disease, and amyotrophic lateral sclerosis.

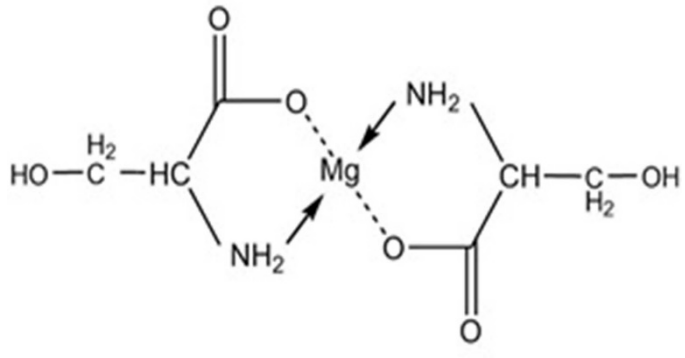
9. A health functional food for use in preventing or alleviating central nervous system diseases, the health functional food containing a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof as an active ingredient:



(I).

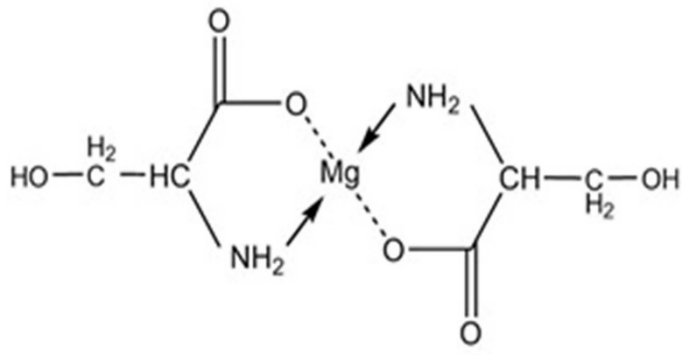
10. The health functional food of claim 9, wherein the central nervous system diseases are selected from the group consisting of cognitive disorder, intellectual disability, microcephaly, epilepsy, neurodevelopmental disorder, dementia, autism spectrum disorder, Down’s syndrome, Rett's syndrome, fragile X syndrome, Alzheimer's disease, Parkinson's disease, Huntington's disease, and amyotrophic lateral sclerosis.

11. A feed additive composition comprising a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof as an active ingredient:



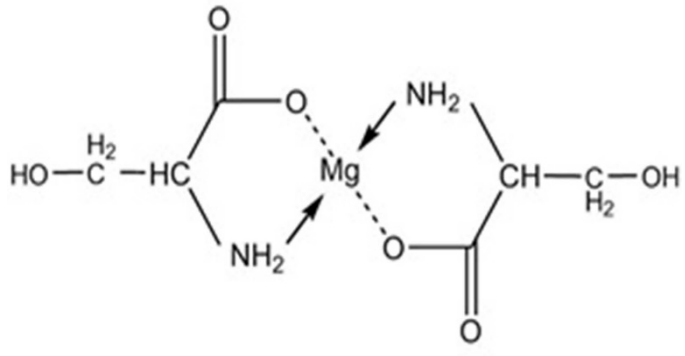
(I).

12. A reagent composition for use in inhibiting neuronal cell death, the reagent composition containing a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof:



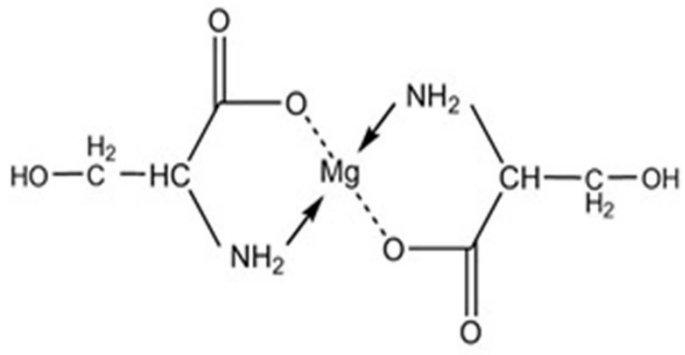
(I).

13. A method for inhibiting neuronal cell death, the method comprising treating neuronal cells with a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof *in vitro*:



(I).

14. Use of a pharmaceutical composition containing a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof as an active ingredient in the manufacture of a medicament for the prevention or treatment of central nervous system diseases:

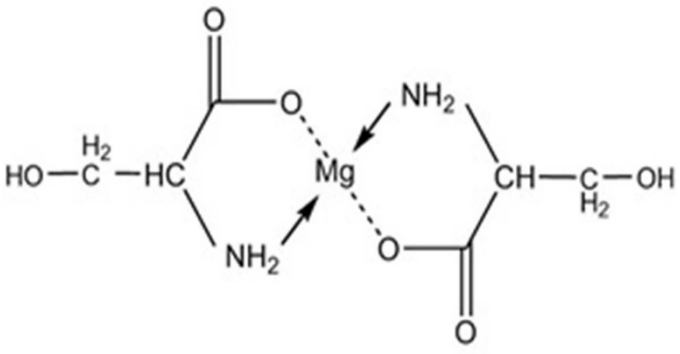


(I).

15. The use of claim 14, wherein the central nervous system diseases are selected from the group consisting of

cognitive disorder, intellectual disability, microcephaly, epilepsy, neurodevelopmental disorder, dementia, autism spectrum disorder, Down’s syndrome, Rett's syndrome, fragile X syndrome, Alzheimer's disease, Parkinson's disease, Huntington's disease, and amyotrophic lateral sclerosis.

16. Use of a health functional food containing a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof as an active ingredient in the manufacture of a medicament for the prevention or alleviation of central nervous diseases:

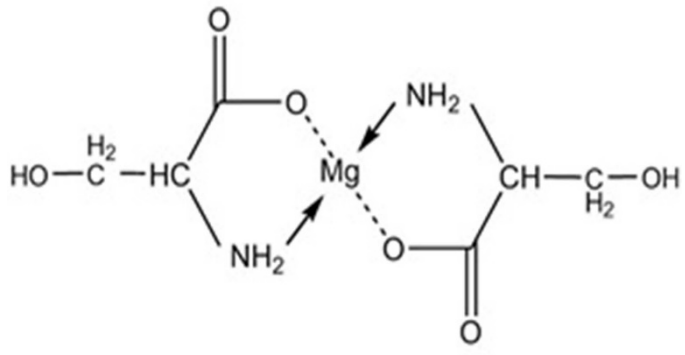


(I).

17. The use of claim 16, wherein the central nervous system diseases are selected from the group consisting of cognitive disorder, intellectual disability, microcephaly, epilepsy, neurodevelopmental disorder, dementia, autism

spectrum disorder, Down’s syndrome, Rett's syndrome, fragile X syndrome, Alzheimer's disease, Parkinson's disease, Huntington's disease, and amyotrophic lateral sclerosis.

18. Use of a reagent composition containing a compound of the following Formula (I) or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for the inhibition of neuronal cell death:



(I).