WHAT IS CLAIMED IS:

1. A pharmaceutical capsule comprising a capsule shell having encapsulated therewithin, in an amount not greater than about 1000 mg per capsule, a liquid solution of ABT-263 or a pharmaceutically acceptable salt thereof at an ABT-263 free-base equivalent concentration of at least about 40 mg/ml in a substantially non-ethanolic carrier that comprises as pharmaceutically acceptable excipients (a) at least one phospholipid, (b) at least one solubilizing agent for the at least one phospholipid, selected from the group consisting of glycols, glycolides, glycerides and mixtures thereof, (c) at least one non-phospholipid surfactant in an amount of 7% to 30% of the encapsulated liquid, and (d) at least one sulfur-containing antioxidant in an amount effective to reduce oxidative degradation of ABT-263 upon storage.

2. The capsule of Claim 1, wherein the ABT-263 is present in free-base form.

3. The capsule of Claim 2, wherein said excipients are selected and included in amounts effective to maintain in solution at least about 40 mg ABT-263 free base per capsule.

4. The capsule of any of Claims 1-3, wherein the amount of said encapsulated liquid solution is about 300 to about 600 mg per capsule.

5. The capsule of any of Claims 1-4, wherein the at least one phospholipid comprises phosphatidylcholine.

6. The capsule of any of Claims 1-5, wherein the at least one solubilizing agent comprises one or more medium-chain triglycerides.

7. The capsule of Claim 6, wherein the at least one solubilizing agent further comprises one or more medium-chain mono- and/or diglycerides.

8. The capsule of any of Claims 1-7, wherein the at least one non-phospholipid surfactant comprises one or more polysorbates.

9. The capsule of Claim 8, wherein the one or more polysorbates have a peroxide value of less than about 5.

10. The capsule of any of Claims 1-9, wherein the at least one sulfur-containing antioxidant is poorly lipid-soluble and the encapsulated liquid solution comprises water in an

amount up to about 1% by weight sufficient for introduction of the antioxidant as an aqueous stock solution.

11. The capsule of Claim 10, wherein the at least one poorly lipid-soluble antioxidant is present in an amount of about 0.02% to about 0.2% by weight of the encapsulated liquid solution.

12. The capsule of Claim 10 or Claim 11, wherein the at least one poorly lipid-soluble antioxidant is selected from the group consisting of sulfites, bisulfites, metabisulfites, thiosulfates and mixtures thereof.

13. The capsule of Claim 10 or Claim 11, wherein the at least one poorly lipid-soluble antioxidant comprises sodium or potassium metabisulfite.

14. The capsule of any of Claims 10-13, further comprising at least one pharmaceutically acceptable chelating agent.

15. The capsule of Claim 14, wherein the at least one chelating agent comprises EDTA or a salt thereof.

16. The capsule of Claim 1, wherein the encapsulated liquid solution comprises about 5% to about 20% by weight ABT-263 free base, about 15% to about 60% by weight phosphatidylcholine, about 7% to about 30% by weight medium-chain triglycerides, about 7% to about 30% by weight medium-chain mono- and diglycerides, about 7% to about 30% polysorbate 80 surfactant, about 0.02% to about 0.2% by weight sodium or potassium metabisulfite, about 0.003% to about 0.01% EDTA or salt thereof, and about 0.2% to about 0.8% water.

17. The capsule of Claim 1, wherein the encapsulated liquid solution consists essentially of about 5% to about 20% by weight ABT-263 free base, about 15% to about 60% by weight phosphatidylcholine, about 7% to about 30% by weight medium-chain triglycerides, about 7% to about 30% by weight medium-chain mono- and diglycerides, about 7% to about 30% polysorbate 80 surfactant, about 0.02% to about 0.2% by weight sodium or potassium metabisulfite, about 0.003% to about 0.01% EDTA or salt thereof, and about 0.2% to about 0.8% water.

~~18. The capsule of any of Claims 1-15, wherein the excipients are selected to provide oral~~

~~bioavalability of ABT-263 of at least about 30% when administered as a single dose of about 50 mg in a fasting or non-fasting dog model.~~

~~19~~18. A process for preparing the capsule of Claim 10, comprising dissolving an API (active pharmaceutical ingredient) that consists essentially of the ABT-263 or salt thereof in at least the phospholipid and solubilizing agent to provide a lipid solution, admixing the non-phospholipid surfactant with the solubilizing agent or lipid solution, dissolving the poorly lipid-soluble sulfur-containing antioxidant in water to prepare an aqueous stock solution, admixing the aqueous stock solution with the lipid solution to provide a liquid solution for encapsulation, and encapsulating the liquid solution in a capsule shell.

~~20~~19. The process of Claim ~~19~~18, wherein the phospholipid and at least a portion of the solubilizing agent are supplied as a pre-blended product.

~~21~~20. The process of Claim ~~20~~19, wherein the phospholipid comprises phosphatidylcholine and the solubilizing agent pre-blended therewith comprises medium-chain triglycerides.

~~22~~21. The process of Claim ~~21~~20, wherein the pre-blended product comprises about 50% to about 75% phosphatidylcholine and about 15% to about 30% medium-chain triglycerides.

~~23~~22. The process of any of Claims ~~19-22~~18-21, wherein the API consists essentially of Form I or Form II ABT-263 crystalline free base.

~~24~~23. The use of a capsule of any of Claims 1~~-18~~-17 in the manufacture of a medicament for treating a disease characterized by apoptotic dysfunction and/or overexpression of an anti-apoptotic Bcl-2 family protein, wherein said medicament is to be orally administered.

~~25~~24. The use of Claim ~~24~~23, wherein the disease is a neoplastic disease.

~~26~~25. The use of Claim ~~25~~24, wherein the neoplastic disease is selected from the group consisting of cancer, mesothelioma, bladder cancer, pancreatic cancer, skin cancer, cancer of the head or neck, cutaneous or intraocular melanoma, ovarian cancer, breast cancer, uterine cancer, carcinoma of the fallopian tubes, carcinoma of the endometrium, carcinoma of the cervix, carcinoma of the vagina, carcinoma of the vulva, bone cancer, colon cancer, rectal cancer, cancer of the anal region, stomach cancer,

gastrointestinal (gastric, colorectal and/or duodenal) cancer, chronic lymphocytic leukemia, esophageal cancer, cancer of the small intestine, cancer of the endocrine system, cancer of the thyroid gland, cancer of the parathyroid gland, cancer of the adrenal gland, sarcoma of soft tissue, cancer of the urethra, cancer of the penis, testicular cancer, hepatocellular (hepatic and/or biliary duct) cancer, primary or secondary central nervous system tumor, primary or secondary brain tumor, Hodgkin's disease, chronic or acute leukemia, chronic myeloid leukemia, lymphocytic lymphoma, lymphoblastic leukemia, follicular lymphoma, lymphoid malignancies of T-cell or B-cell origin, melanoma, multiple myeloma, oral cancer, non-small-cell lung cancer, prostate cancer, small-cell lung cancer, cancer of the kidney and/or ureter, renal cell carcinoma, carcinoma of the renal pelvis, neoplasms of the central nervous system, primary central nervous system lymphoma, non-Hodgkin's lymphoma, spinal axis tumors, brain stem glioma, pituitary adenoma, adrenocortical cancer, gall bladder cancer, cancer of the spleen, cholangiocarcinoma, fibrosarcoma, neuroblastoma, retinoblastoma and combinations thereof.

~~27~~26. The use of Claim ~~25~~24, wherein the neoplastic disease is a lymphoid malignancy

~~28~~27. The use of Claim ~~27~~26, wherein the lymphoid malignancy is non-Hodgkin's lymphoma.

~~29~~28. The use of Claim ~~25~~24, wherein the neoplastic disease is chronic lymphocytic leukemia or acute lymphocytic leukemia.

~~30~~29. The use of any of Claims ~~24–29~~23-28, wherein one to a plurality of said capsule is to be administered in a dose of about 50 to about 500 mg ABT-263 free-base equivalent per day at an average treatment interval of about 3 hours to about 7 days.

~~31~~30. The use of Claim ~~30~~29, wherein one to a plurality of said capsule is to be administered once daily in a dose of about 200 to about 400 mg ABT-263 free-base equivalent per day.

~~32~~31. The use of Claim ~~31~~30, wherein said capsule is a size 0 hard gelatin capsule shell having

~~(a) a prototype capsule comprising a size 0 hard gelatin capsule shell having~~

encapsulated therewithin a liquid solution that comprises about 50 mg ABT-263 free base, about 150 mg phosphatidylcholine, about 75 mg medium-chain triglycerides, about 90 mg medium-chain mono- and diglycerides, about 90 mg polysorbate 80 surfactant, about 0.25 mg sodium or potassium metabisulfite, about 0.025% EDTA or salt thereof, and about 2.5 mg water.; or

(b) a capsule that is orally substantially bioequivalent to said prototype capsule.

3332. Use of a capsule of any of Claims 1–18 17 in the manufacture of a medicament for maintaining in bloodstream of a human subject a therapeutically effective plasma concentration of ABT-263 and/or one or more metabolites thereof, wherein one to a plurality of said capsule in a dose of about 50 to about 500 mg ABT-263 free-base equivalent per day at an average treatment interval of about 3 hours to about 7 days is to be orally administered.

3433. The use of Claim 3332, wherein the plasma concentration maintained exhibits, at steady state, a peak of about 3 to about 8 μg/ml ABT-263 and a trough of about 1 to about 5 μg/ml ABT-263.

3534. The use of Claim 33 32 or Claim 3433, wherein said capsule is a size 0 hard gelatin capsule shell having encapsulated therewithin a liquid solution that comprises about 50 mg ABT-263 free base, about 150 mg phosphatidylcholine, about 75 mg medium-chain triglycerides, about 90 mg medium-chain mono- and diglycerides, about 90 mg polysorbate 80 surfactant, about 0.25 mg sodium or potassium metabisulfite, about 0.025% EDTA or salt thereof, and about 2.5 mg water.

(a) a prototype capsule comprising a size 0 hard gelatin capsule shell having encapsulated therewithin a liquid solution that comprises about 50 mg ABT-263 free base, about 150 mg phosphatidylcholine, about 75 mg medium-chain triglycerides, about 90 mg medium-chain mono- and diglycerides, about 90 mg polysorbate 80 surfactant, about 0.25 mg sodium or potassium metabisulfite, about 0.025% EDTA or salt thereof, and about 2.5 mg water; or

(b) a capsule that is orally substantially bioequivalent to said prototype capsule.