

Kinase Assay	Bcl-xL were also determined using a time-resolved fluorescence resonance energy transfer assay. Bcl-xL (1 nmol/L, His tagged) was mixed with 200 nmol/L f-Bak, 1 nmol/L Tb-labeled anti-His antibody, and compound at room temperature for 30 min. Fluorescence was measured on an Envision plate reader using a 340/35 nm excitation filter and 520/525 (f-Bak) and 495/510 nm (Tb-labeled anti-His antibody) emission filters. Dissociation constants (K _i) were determined using Wang's equation [1].
Cell Research	Human tumor cell lines were maintained at 37°C containing 5% CO ₂ . SCLC cell lines were cultured in RPMI 1640 with 10% fetal bovine serum (FBS), 1% sodium pyruvate, 25 mmol/L HEPES, 4.5 g/L glucose, and 1% penicillin/streptomycin. Leukemia and lymphoma cell lines were cultured in RPMI 1640 supplemented with 10% FBS and 1% penicillin/streptomycin. Cells (1×10^4 - 5×10^4) were treated for 48 h in 96-well culture plates in a final volume of 100 μ L and cytotoxicity was assessed with the CellTiter Glo assay [1].
Animal Research	C.B.-17 scid-bg or C.B.-17 scid mice were implanted with 5×10^6 (1×10^6 for DoHH2) cells in 0.2 mL 50% Matrigel s.c. into the right flank. Tumor-bearing mice were size matched (~ 235 mm ³ ; day 0) into treatment and control groups, ear tagged, and monitored individually. Tumor volume was measured two to three times weekly by electronic calipers (volume = length \times width ² / 2). Tumor growth inhibition was calculated based on the difference in mean tumor volumes between treated and appropriate vehicle control groups. Partial response (PR) is defined as $\geq 50\%$ tumor growth inhibition, and complete response (CR) is defined as nonpalpable tumor. All studies used 8 to 10 mice per group. ABT-263 was formulated in 10% ethanol, 30% polyethylene glycol 400, and 60% Phosal 50 PG and administered p.o. The other agents used [rituximab, doxorubicin, cyclophosphamide, vincristine, bortezomib, and prednisone] were administered i.p., p.o., or i.v. and formulated according to the manufacturers' recommendations. For combination studies, ABT-263 was given ~ 2 h before the other agents, except bortezomib, which was given ~ 4 h before ABT-263 [1].

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 245 mg/mL (251.38 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10%DMSO+50% PEG300+5% Tween-80+35% Saline: 10 mg/mL (10.26 mM),Sonication is recommended. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 20 mg/mL (20.52 mM),Suspension. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0261 mL	5.1303 mL	10.2605 mL
5 mM	0.2052 mL	1.0261 mL	2.0521 mL
10 mM	0.1026 mL	0.513 mL	1.0261 mL
50 mM	0.0205 mL	0.1026 mL	0.2052 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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