



## ABT-199

货号: A3680

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

### 产品描述

Bcl-2 (B-cell lymphoma 2) is the first identified apoptotic regulator. It belongs to Bcl-2 family commitment to PCD, which regulates apoptosis, pro-apoptosis or anti-apoptosis. ABT-199 is a highly potent inhibitor of Bcl-2, re-engineered from ABT-263. It has subnanomolar affinity ( $K_i < 0.010$  nM, analysis by TR-FRET assay), which is over three orders of magnitude to Bcl-XL ( $K_i = 48$  nM) and Bcl-W ( $K_i = 245$  nM). ABT-199 can disrupt BCL-2-BIM complex and induce multiple hallmarks of apoptosis, including cytochrome c release, caspase activation, the externalization of phosphatidylserine and the accumulation of sub-G0/G1 DNA, with lower concentration than ABT-263. Thus it facilitates ABT-199 to have cell-killing activity to Bcl-2 high-expressed NHL cell lines. ABT-199 can inhibit tumor xenograft growth as a single agent or combination with rituximab and bendamustine.

### 靶点

Bcl-2

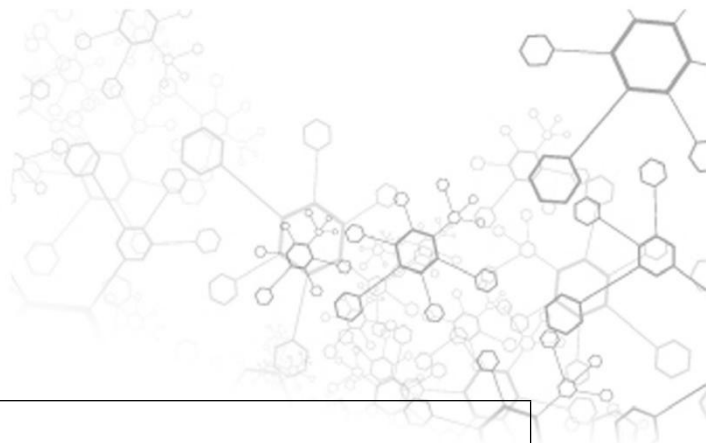
$K_i: 0.01$  nM

### 作用机制

ABT-199 is complicated by the high degree of similarity within the BH3-binding domains of Bcl-2 and Bcl-XL.

	质量	1 mg	5 mg	10 mg
储存液制备	1 mM	1.1515 mL	5.7575 mL	11.5149 mL
	5 mM	0.2303 mL	1.1515 mL	2.3030 mL
	10 mM	0.1151 mL	0.5757 mL	1.1515 mL





产品性质

CAS号	1257044-40-8	
分子式	$C_{257}H_{383}N_{65}O_{77}S_6$	
分子量	868.44	
溶解度	DMSO	95.0 mg/mL (109.4 mM) warming
	Water	Insoluble
	Ethanol	Insoluble

