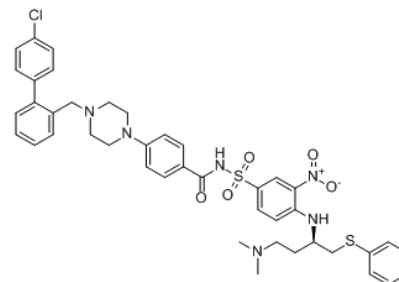


Product Name : ABT-737
Cat. No. : PC-45901
CAS No. : 852808-04-9
Molecular Formula : C₄₂H₄₅ClN₆O₅S₂
Molecular Weight : 813.4269
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

ABT-737 is a BH3 mimetic inhibitor of **Bcl-xL**, **Bcl-2** and **Bcl-w** with EC₅₀ of 78.7 nM, 30.3 nM and 197.8 nM in cell-free assays, respectively.

ABT-737 shows no inhibition against Mcl-1, Bcl-B or Bfl-1.

ABT-737 induces the disruption of the BCL-2/BAX complex and BAK-dependent but BIM-independent activation of the intrinsic apoptotic pathway.

ABT-737 exhibits single-agent-mechanism-based killing of cells from lymphoma and small-cell lung carcinoma lines, as well as primary patient-derived cells, and in animal models.

References

Oltersdorf T, et al. *Nature*. 2005 Jun 2;435(7042):677-81.

Konopleva M, et al. *Cancer Cell*. 2006 Nov;10(5):375-88.

Tahir SK, et al. *Cancer Res*. 2007 Feb 1;67(3):1176-83.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com