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# Bcl-2/Bcl-XL Inhibitor APG-1252

National Cancer Institute

## Source

National Cancer Institute. *Bcl-2/Bcl-XL Inhibitor APG-1252*. NCI Thesaurus. Code C148488.

A Bcl-2 homology (BH)-3 mimetic and selective inhibitor of the anti-apoptotic proteins B-cell lymphoma 2 (Bcl-2) and Bcl-XL, with potential pro-apoptotic and antineoplastic activities. Upon administration, Bcl-2/Bcl-XL inhibitor APG-1252 specifically binds to and inhibits the activity of the pro-survival proteins Bcl-2 and Bcl-XL. This restores apoptotic processes and inhibits cell proliferation in Bcl-2/Bcl-XL-dependent tumor cells. Bcl-2 and Bcl-XL, proteins belonging to the Bcl-2 family that are overexpressed in many cancers, play an important role in the negative regulation of apoptosis; tumor expression is associated with increased drug resistance and cancer cell survival.