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# MALT1 Inhibitor JNJ-67856633

National Cancer Institute

## Source

National Cancer Institute. *MALT1 Inhibitor JNJ-67856633*. NCI Thesaurus. Code C160147.

An orally bioavailable inhibitor of mucosa-associated lymphoid tissue lymphoma translocation protein 1 (MALT1), with potential antineoplastic activity. Upon administration, MALT1 inhibitor JNJ-67856633 targets, binds to, and prevents the activity of MALT1. This inhibits MALT1-dependent signaling, reduces interleukin-10 (IL-10) and upregulates interferon (IFN). This results in the inhibition of Janus kinase/signal transducers and activators of transcription (JAK/STAT) signaling and nuclear factor-kappa B (NF-κB) signaling, induces apoptosis, and inhibits tumor cell growth of MALT1-expressing tumor cells. MALT1 belongs to the caspase family of proteases and is the active component of the CARD11-BCL10-MALT1 (CBM) signaling complex. It plays an essential role in B- and T-lymphocyte activation and is over-activated in certain tumor cells.