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Benralizumab

National Cancer Institute

Source

National Cancer Institute. *Benralizumab*. NCI Thesaurus. Code C88594.

An afucosylated, humanized monoclonal antibody against the alpha chain of the interleukin-5 receptor (IL-5Ra), with potential anti-asthmatic activity. Upon administration, benralizumab binds to IL-5Ra and elicits an antibody-directed cell cytotoxicity (ADCC) against IL-5Ra-expressing cells. This induces apoptosis in IL-5Ra-expressing cells and may reduce asthmatic episodes. IL-5Ra, expressed on both eosinophils and basophils, plays a key role in asthma.