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SB-AS15 Adjuvant

National Cancer Institute

Source

National Cancer Institute. *SB-AS15 Adjuvant*. NCI Thesaurus. Code C48421.

A vaccine adjuvant containing CpG 7909, monophosphoryl lipid, and QS-21 with potential antineoplastic and immunostimulatory activities. CpG 7909 is a synthetic 24-mer oligonucleotide containing 3 CpG motifs that selectively targets Toll-like receptor 9 (TLR9), thereby activating dendritic and B cells and stimulating cytotoxic T cell and antibody responses against tumor cells bearing tumor antigens. Monophosphoryl lipid is a detoxified derivative of lipid A, a component of *Salmonella minnesota* lipopolysaccharide (LPS); this agent may enhance humoral and cellular responses to various antigens. QS-21 is a purified, naturally occurring saponin derived from the South American tree *Quillaja saponaria* Molina and exhibits various immunostimulatory activities. Combinations of monophosphoryl lipid and QS-21 may be synergistic in inducing humoral and cellular immune responses. (NCI05)