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# TLR7 Agonist 852A

National Cancer Institute

## Source

National Cancer Institute. *TLR7 Agonist 852A*. NCI Thesaurus. Code C61104.

A synthetic imidazoquinoline Toll-like receptor 7 (TLR7) agonist with immunostimulating and potential antitumor activities. TLR7 agonist 852A binds to and activates TLR7, thereby stimulating plasmacytoid dendritic cells (pDC) through the TLR7-MyD88-dependent signaling pathway. Activation of pDC results in secretion of interferon alpha, the production of proinflammatory cytokines, the upregulation of co-stimulatory molecules, and enhanced T and B-cell stimulatory responses.