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CSF1R Inhibitor PLX73086

National Cancer Institute

Source

National Cancer Institute. *CSF1R Inhibitor PLX73086*. NCI Thesaurus. Code C129688.

An inhibitor of colony stimulating factor 1 receptor (CSF1R; CSF-1R), with potential antineoplastic activity. Upon administration, CSF1R inhibitor PLX73086 targets and binds to CSF1R, thereby blocking CSF1R activation and CSF1R-mediated signaling. This inhibits the activity of tumor-associated macrophages (TAMs) in the tumor tissue and prevents TAM-related tumor cell growth. CSF1R, also known as macrophage colony-stimulating factor receptor (M-CSFR) and CD115 (cluster of differentiation 115), is a cell-surface receptor for its ligand colony stimulating factor 1 (CSF1) and plays major roles in tumor cell proliferation and metastasis.