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CXCR2 Antagonist QBM076

National Cancer Institute

Source

National Cancer Institute. *CXCR2 Antagonist QBM076*. NCI Thesaurus. Code C153151.

An orally available small molecule antagonist of the G protein-coupled receptor, C-X-C motif chemokine receptor 2 (CXCR2), with potential immunomodulating and antineoplastic activities. Upon administration, QBM076 binds to and inhibits the activation of CXCR2, resulting in reduced neutrophil recruitment, myeloid-derived suppressor cell (MDSC) accumulation, and may potentially slow tumorigenesis and metastatic processes. CXCR2 is upregulated in a variety of cancer types, predominately in neutrophils/MDSCs rather than tumor cells, and is thought to contribute to tumor cell proliferation, invasion, and metastasis.