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Pan HER/VEGFR2 Receptor Tyrosine Kinase Inhibitor BMS-690514

National Cancer Institute

Source

National Cancer Institute. *Pan HER/VEGFR2 Receptor Tyrosine Kinase Inhibitor BMS-690514*. NCI Thesaurus. Code C68832.

A pyrrolotriazine-based compound and a pan inhibitor of receptor tyrosine kinases with potential antineoplastic activity. Pan HER/VEGFR2 receptor tyrosine kinase inhibitor BMS-690514 binds to human epidermal growth factor receptors (EGFR) 1, 2 and 4 (HER1, HER2 and HER4) and vascular endothelial growth factor receptor 1, 2 and 3 (VEGFR-1, -2 and -3), all of which are frequently overexpressed by a variety of tumor types. Binding of this agent to these receptors may result in the inhibition of tumor cell proliferation; the inhibition of endothelial cell migration and proliferation and angiogenesis; and tumor cell death.