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RAF Kinase Inhibitor XL281

National Cancer Institute

Source

National Cancer Institute. *RAF Kinase Inhibitor XL281*. NCI Thesaurus. Code C69135.

An orally active, small molecule with potential antineoplastic activity. XL281 specifically inhibits RAF kinases, located downstream from RAS in the RAS/RAF/MEK/ERK kinase signaling pathway, which may result in reduced proliferation of tumor cells. RAS mutations may result in constitutive activation of the RAS/RAF/MEK/ERK kinase signaling pathway, and have been found to occur frequently in human tumors.