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# IGF-1 R/IR Inhibitor KW-2450

National Cancer Institute

## Source

National Cancer Institute. *IGF-1R/IR Inhibitor KW-2450*. NCI Thesaurus. Code C84871.

An orally bioavailable inhibitor of insulin-like growth factor 1 receptor (IGF-1R) and insulin receptor (IR) tyrosine kinases with potential antineoplastic activity. IGF-1R/IR inhibitor KW-2450 selectively binds to and inhibits the activities of IGF-1R and IR, which may result in the inhibition of tumor cell proliferation and the induction of tumor cell apoptosis. IGF-1R and IR tyrosine kinases, overexpressed in a variety of human cancers, play significant roles in the stimulation of cellular proliferation, oncogenic transformation, and suppression of apoptosis.