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MEK Inhibitor RO4987655

National Cancer Institute

Source

National Cancer Institute. <u>MEK Inhibitor RO4987655</u>. NCI Thesaurus. Code C82696.

An orally active small molecule, targeting mitogen-activated protein kinase kinase 1 (MAP2K1 or MEK1), with potential antineoplastic activity. MEK inhibitor RO4987655 binds to and inhibits MEK, which may result in the inhibition of MEK-dependent cell signaling and the inhibition of tumor cell proliferation. MEK, a dual specificity threonine/tyrosine kinase, is a key component of the RAS/RAF/MEK/ERK signaling pathway that regulates cell growth; constitutive activation of this pathway has been implicated in many cancers.

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