

[Open Peer Review on Qeios](#)

EGFR/FLT3/Abl Inhibitor SKLB1028

National Cancer Institute

Source

National Cancer Institute. *EGFR/FLT3/Abl Inhibitor SKLB1028*. NCI Thesaurus. Code C131492.

An orally available inhibitor of epidermal growth factor receptor (EGFR), FMS-related tyrosine kinase 3 (FLT3, STK1, CD135 or FLK2), and the non-receptor tyrosine kinase ABL (Abl), with potential antineoplastic activity. Upon administration, the EGFR/FLT3/Abl inhibitor SKLB1028 specifically binds to and inhibits EGFR, FLT3 and Abl, which interferes with the activation of EGFR-, FLT3- and Abl-mediated signal transduction pathways and reduces cell proliferation in cancer cells that overexpress EGFR, FLT3 and/or Abl. EGFR, EGFR and Abl are all overexpressed in a variety of cancers and play key roles in tumor cell proliferation.