

[Open Peer Review on Qeios](#)

TORC1/2 Kinase Inhibitor DS-3078a

National Cancer Institute

Source

National Cancer Institute. *TORC1/2 Kinase Inhibitor DS-3078a*. NCI Thesaurus. Code C101795.

An orally bioavailable inhibitor of raptor-mTOR protein complex (TORC1) and rictor-mTOR protein complex (TORC2) with potential antineoplastic activity. TORC1/2 inhibitor DS-3078a binds to and inhibits both TORC1 and TORC2, which may result in tumor cell apoptosis and a decrease in tumor cell proliferation. TORC1 and 2 are upregulated in some tumors and play an important role in the PI3K/Akt/mTOR signaling pathway, which is frequently dysregulated in human cancers.