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NCIm Version: 201808 (Browser Version 2.9, using LexEVS 6.5.1)

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FASN Inhibitor TVB-2640 (CUI CL474138)

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Terms & Properties

Concept Unique Identifier (CUI): CL474138

NCI Thesaurus Code: C118285 ([see NCI Thesaurus info](#))

Semantic Type: Pharmacologic Substance

NCIt Definition: An orally bioavailable fatty acid synthase (FASN) inhibitor, with potential antineoplastic activity. Upon administration, TVB-2640 binds to and blocks FASN, which prevents the synthesis of palmitate needed for tumor cell growth and survival. This leads to a reduction in cell signaling, an induction of tumor cell apoptosis and the inhibition of cell proliferation in susceptible tumor cells. FASN, an enzyme responsible for the de novo synthesis of palmitic acid, is overexpressed in tumor cells and plays a key role in tumor metabolism, lipid signaling, tumor cell survival and drug resistance; tumor cells are dependent on increased fatty acid production for their enhanced metabolic needs and rapid growth.

PDQ Definition: An orally bioavailable fatty acid synthase (FASN) inhibitor, with potential antineoplastic activity. Upon administration, TVB-2640 binds to and blocks FASN, which prevents the synthesis of palmitate needed for tumor cell growth and survival. This leads to a reduction in cell signaling, an induction of tumor cell apoptosis and the inhibition of cell proliferation in susceptible tumor cells. FASN, an enzyme responsible for the de novo synthesis of palmitic acid, is overexpressed in tumor cells and plays a key role in tumor metabolism, lipid signaling, tumor cell survival and drug resistance; tumor cells are dependent on increased fatty acid production for their enhanced metabolic needs and rapid growth. Check for [active clinical trials](#) using this agent. ([NCI Thesaurus](#))

Synonyms & Abbreviations: ([see Synonym Details](#))

FASN Inhibitor TVB-2640

TVB-2640

External Source Codes:

NCI Thesaurus Code

C118285 ([see NCI Thesaurus info](#))

PDQ Closed Trial Search ID

764235

PDQ Open Trial Search ID

764235 ([check for NCI PDQ open clinical trial info](#))
Other Properties: [?](#)

Name	Value	Source
Contributing_Source	CTRP	NCI
DATE_FIRST_PUBLISHED	2014-08-28	PDQ
DATE_LAST_MODIFIED	2014-10-30	PDQ
NCI_THESAURUS_CODE	C118285	PDQ
ORIG_STY	Drug/agent	PDQ

Additional Concept Data: (none)

URL to Bookmark: [https://ncim.nci.nih.gov/ncimbrowser/ConceptReport.jsp?dictionary=NCI Metathesaurus&code=CL474138](https://ncim.nci.nih.gov/ncimbrowser/ConceptReport.jsp?dictionary=NCI%20Metathesaurus&code=CL474138)