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# CYP11A1 inhibitor ODM-208

National Cancer Institute

## Source

National Cancer Institute. *CYP11A1 inhibitor ODM-208*. NCI Thesaurus. Code C156744.

An orally bioavailable, non-steroidal, selective inhibitor of the enzyme cytochrome 450 side-chain cleavage (scc) (CYP11A1), with potential antineoplastic activity. Upon oral administration, CYP11A1 inhibitor ODM-208 targets, binds to and inhibits the activity of CYP11A1. This prevents the synthesis of all steroid hormones and their precursors. This may inhibit proliferation of hormone-positive tumor cells. CYP11A1, a mitochondrial enzyme, catalyzes the conversion of cholesterol to pregnenolone (Preg), which is the first rate-limiting step in steroid hormone biosynthesis.