

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



CYP27A1 (E131) Peptide

Cat No.: BS2192P

Background

CYP27A1 participates in the degradation of cholesterol to bile acids in both the classic and acidic pathways.[1] It is the initiating enzyme in the acidic pathway to bile acids, yielding oxysterols by introducing a hydroxyl group to the carbon at the 27 position in cholesterol. In the acidic pathway, it produces 27-hydroxycholesterol from cholesterol whereas in the classic or neutral pathway, it produces 3 β -hydroxy-5-cholestenoic acid. It is also involved in the metabolism of vitamin D3. While CYP27A1 is present in many different tissues, its function in these tissues is largely uncharacterized. In macrophages, 27-hydroxycholesterol generated by this enzyme may be helpful against the production of inflammatory factors associated with cardiovascular disease.

Swiss-Prot

Q02318

Applications

Blocking

Specificity

This peptide can be used with studies using BS2192 CYP27A1 (E131) pAb.

Purification & Purity

Synthetic peptide CYP27A1 (E131). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.