

## PRODUCT DATASHEET

For Research Use Only

## DESCRIPTION:

Synthetic analog of Lovastatin (Prod. No. bs-75050C). Water-soluble carboxylate form of Simvastatin (Prod.No. bs-75051C). Potent competitive HMG-CoA reductase inhibitor [1]. Anti-hypercholesterolemic agent [1]. Cholesterol/isoprenoid biosynthesis inhibitor. Blocks the production of mevalonate, a critical compound in the production of cholesterol and isoprenoids [1, 2]. Inhibits the isoprenylation of Ras and Rho family GTPases [2]. Smooth muscle cell proliferation inhibitor [3]. Anti-adhesive, immunomodulatory and anti-inflammatory compound [4, 7, 10]. Proteasome modulator [5]. Stimulates bone formation [6]. Apoptosis inducer [8]. Anticancer compound [8, 9]. Increases cellular resistance to anticancer agents such as doxorubicin and etoposides (Prod. No. bs-75483C) [9]. Suppresses ICAM-1-LFA-1 interactions, which blocks virus replication and infection [11, 12]. Anti-hypertensive agent [13]. Suppresses TNF-induced NF-kappaB activation [14].

## SPECIFIC AGAINST:

Other

## BACKGROUND:

## TYP:

Chemicals

## CATEGORY:

Reagents &amp; Chemicals/APIs

## DETAILED - CATEGORY:

Biochemical Compounds

## HOW TO HANDLE/USE THE PRODUCT:

## STORAGE CONDITIONS:

Stable for 2 years after receipt when stored at -20°C.

## STORAGE BUFFER:

Powder

## SHIPPED ON DRY ICE:

No

