

## 3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR) Kit

3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR) Inhibitor Screening Kit

CATALOG #  
**AAA179718**

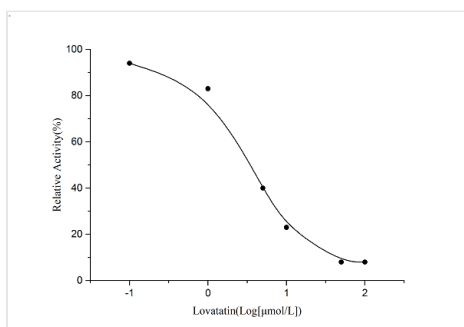
### PRODUCT SYNONYMS

3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR); 3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR) Inhibitor Screening Kit; 3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR) kit

### PRODUCT SPECIFICATIONS

|                         |                                                                              |
|-------------------------|------------------------------------------------------------------------------|
| Detection Type          | Colorimetric                                                                 |
| Result Type             | Enzyme activity                                                              |
| Samples                 | Inhibitor                                                                    |
| Precision               | Intra-assay CV: 1.8-3.3%<br>Inter-assay CV: 2.2-10.0%                        |
| Detection Instrument    | Microplate reader                                                            |
| Preparation and Storage | This product can be stored at -20 degree C for 12 months with shading light. |

### IMAGES



Application Data

### ADDITIONAL INFORMATION

#### Related Product Information for 3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR) kit

3-hydroxy-3-methylglutaryl-CoA reductase (HMGR) is the rate-limiting enzyme of mevalonate pathway, which is the metabolic pathway of acetyl-CoA to produce cholesterol. This detection kit can screen inhibitors of HMGR, which is an important tool for basic research of cholesterol and other related metabolic pathways.

The detection principle of this kit: HMGR catalyzed substrate reaction consumes NADPH, and the absorbance decreases at 340nm. The addition of inhibitors will inhibit HMGR enzyme activity, resulting in a decrease in the rate of absorbance decline. The inhibition rate can be calculated by measuring the change value of absorbance.

#### Product Categories/Family for 3-Hydroxy-3-methylglutaryl-CoA Reductase (HMGR) kit

Metabolism assay; Cell Metabolism Assays; Glycolysis and Lipid Metabolism; Inhibitor Screening

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

