

# Matrix Metalloproteinase-1 (MMP-1) fluorometric drug discovery Kit

## Product Information

### **Cat.No.**

Kit-0568

### **Product Overview**

A QuantiZyme Assay System. The MMP-1 Fluorometric (also known as fluorimetric) Drug Discovery Kit is a complete assay system designed to screen inhibitors of matrix metalloproteinase-1 (MMP-1, interstitial collagenase) using a quenched fluorogenic peptide: OMNIMMP fluorogenic substrate Mca-Pro-Leu-Gly-Leu-Dpa-Ala-Arg-NH. Mca fluorescence is quenched by the Dpa group until cleavage by MMPs at the Gly-Leu bond separates the two moieties. The assays are performed in a convenient 96-well microplate format. The kit is useful to screen inhibitors of MMP-1, a potential therapeutic target. Included are active enzyme, assay buffer, a prototypic control inhibitor (NNGH3), and a detailed instruction booklet.

### **Size**

96 wells

### **Applications**

Fluorescence microscopy, HTS

### **Storage**

-80°C

### **Kit Components**

MMP-1 enzyme, substrate, calibration standard, inhibitor, assay buffer, 96-well white microplate.