CREATIVE BIOMART®
Assay Kit

Matrix Metalloproteinase-12 (MMP-12) fluorometric drug discovery Kit

Product Information

Cat.No.	Kit-0571

Product Overview

A QuantiZyme Assay System. The MMP-12 Fluorometric (also known as fluorimetric) Drug Discovery Kit is a complete assay system designed to screen inhibitors of matrix metalloproteinase-12 (MMP-12, metalloelastase, macrophage elastase) 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-12, 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-12 enzyme (human) (recombinant), substrate, calibration standard, inhibitor, assay buffer, 96-well white microplate.

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