Matrix Metalloproteinase-13 (MMP-13) fluorometric drug discovery kit

A QUANTIZYME® Assay System. The MMP-13 Fluorometric (also known as fluorimetric) Drug Discovery Kit is a complete assay system designed to screen inhibitors of matrix metalloproteinase-13 (MMP-13, collagenase-3) 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-13, a potential therapeutic target. Included are active enzyme, assay buffer, a prototypic control inhibitor ($NNGH^3$), and a detailed instruction booklet.

Citations: 3 View Online »

Ordering Information

Order Online »

BML-AK413-0001	96 wells

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	Collagenase-3
Application	Activity assay, Fluorescent detection, HTS
Contents	MMP-13 enzyme (human) (recombinant), substrate, calibration standard, inhibitor, assay buffer, 96-well white microplate.
UniProt ID	P45452

Last modified: May 29, 2024

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