CREATIVE BIOMART®
Assay Kit

Maleimide Assay Kit

Product Information

Cat.No. Kit-0533

Product Overview

Maleimide Assay Kit is a quantitative assay for the determination of maleimide groups.

Description

Maleimides can be directly assayed spectrophotometrically at 302 nm. However, the small extinction coefficient of 620 M-1cm-1 renders this assay insensitive, and the assay is further complicated by the protein absorbance at the same wavelength.

Applications

This colorimetric maleimide assay kit quantifies maleimide groups by first reacting a sample with a known amount of thiol present in excess and then assaying the remaining unreacted thiol using 4,4''-DTDP with a molar extinction coefficient of 19,800 M-1cm-1.

Usage

For research use only (RUO)

Storage

Store the kit at -20°C and avoid from light.

Kit Components

Component A: MEA 1 vialComponent B: 4,4''-DTDP 1 vialComponent C: Assay Buffer 50 mLComponent D: DMSO 1 mL

Detection method Colorimetric

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