

Sulfo-SMCC [4-(N-Maleimidomethyl)cyclohexane-1-carboxylic acid 3-sulfo-N-hydroxysuccinimide ester, sodium salt]

Cat. No. DYE-79 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

Sulfo-SMCC is the water-soluble version of SMCC. It contains an amine-reactive sulfo-succinimidyl ester (SSE) and a sulfhydryl-reactive maleimide group. NHS esters react with primary amines at pH 7-9 to form stable amide bonds. Maleimides react with sulfhydryl groups at pH 6.5-7.5 to form stable thioether bonds. The SSE group of SMCC is reacted with lysine residues on the carrier protein, converting them to reactive maleimides. Sulfo-SMCC is a reagent that is widely used for generating stable maleimide-activated carrier proteins that can spontaneously react with sulfhydryls. Alternatively these relatively stable maleimide-activated intermediates may be lyophilized and stored for later conjugation to a hapten.

CAS number

92921-24-9

Molecular Mass

436.37

Formula

C₁₆H₁₇N₂NaO₉S

Solvent

DMSO

Storage

Store at -20°C in the dark. Dessicated.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA