

FDG [Fluorescein di-β-D-galactopyranoside]

Cat. No. DYE-145 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description Fluorogenic substrate for β -galactosidase. Fluorescein di- β -D-galactopyranoside (FDG) is one of the most sensitive substrates for galactosidases. Nonfluorescent FDG is sequentially hydrolyzed by β -galactosidase, first to fluorescein monogalactoside (FMG) and then to highly fluorescent fluorescein. Enzyme-mediated hydrolysis of FDG can be followed by the increase in either absorbance or fluorescence.

CAS number 17817-20-8

Molecular Mass 656.58

Formula C₃₂H₃₂O₁₅

Ex(nm) 494

Em(nm) 521

Solvent DMSO

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

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