

Product Data Sheet

Date of Issue: 20 Nov 2020

1. Product Information

- Product Name : Fucoidan, FSD Fluor™ 750
- Catalog Number : RFY1702
- Packing Unit : 1 mg / 5 mg / 25 mg
- Appearance : Green Solid
- Storage Conditions : Protect from light, stored at 4 °C

Specifications

- Fluorophore : FSD Fluor™ 750
- Application : tumor angiogenesis detection, P-selectin imaging, cancer cell imaging
- Excitation/Emission Max. : 752/773 nm
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2. Description

Fucoidan, FSD Fluor™ 750 is a NIR fluorescent biopolymer that fucoidan (~30 KDa) is covalently conjugated with FSD Fluor 750. Fucoidan is a highly sulfated polysaccharide from various species of brown algae and seaweed and known to have nanomolar affinity to P-selectin which is overexpressed on the various cancers, endothelium overlying active atherosclerotic plaques, and activated platelet. FSD 750 is the new generation of NIR dye, developed by BioActs' cutting-edge technology, that displaying excellent optical property comparing to spectrally similar dyes. FSD 750 might be excited using the 750 nm laser line or dye-pumped laser excitation and the emission occurs at biological tissue permeable NIR region. Fucoidan, FSD Fluor™ 750 can be applicable in fluorescence imaging of various biological studies such as P-selectin overexpression in tumor cells, angiogenic blood vessels in tumors and inflammatory lesions, vulnerable atherosclerotic plaques, platelet-rich thrombus, heart ischemia, etc.