

Product Information

APTS

Catalog Number: A5025

Product Size: 5 mg

Application Scope: Labeling glycoprotein and glycomolecule

Parameters

Appearance: Yellow solid soluble in water

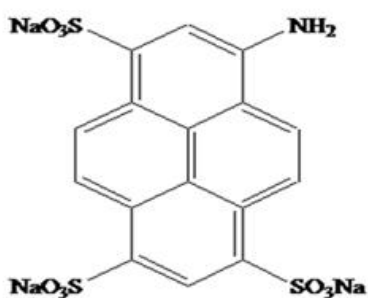
Ex/Em : 424/505 nm (Before reaction)

Molecular Formula: C₁₆H₈Na₃O₉S₃

CAS No.:196504-57-1

Molecular Weight:523.39

Molecular Structural:



Storage

Store at 4°C and protect from light. When stored as directed, product is stable for at least 12 months.

Description

APTS is a green fluorescent dye suitable for labeling glycoprotein or glycomolecule. The tagging principle is that the amino group of APTS reacts with the glycoaldehydes or ketones on the sugar molecules to form Schiff base, further reducing the Schiff base and forming a stable carbon nitrogen bond. APTS is an ideal dye for the study of carbohydrate molecules by high resolution capillary electrophoresis.

Notes

1. There are quenching problems with fluorescent dyes. Please avoid light to slow down the fluorescence quenching.
2. For your safety and health, please wear lab coats and disposable gloves.

