

Glowing products for science

APTS

APTS is a very useful green fluorescent dye for labeling glycoproteins or sugar molecules in general. The labeling occurs via reductive amination which involves the formation of a Schiff base between the amine of APTS and the aldehyde or ketone of the sugar, followed by the reduction of the Schiff base linkage to a stable carbon-nitrogen bond.



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Product attributes

CAS number 196504-57-1 **Excitation/Emission** 424/505 nm

Product Description

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- λ_{Ex}/λ_{Em}: 424/505 nm (before conjugation)
- Yellow solid soluble in water
- Store at 4°C and protect from light.
- C₁₆H₈Na₃O₉S₃
- MW: 523.39
- [196504-57-1]

$$NaO_3S$$
 NH_2
 NaO_3S
 SO_3Na

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