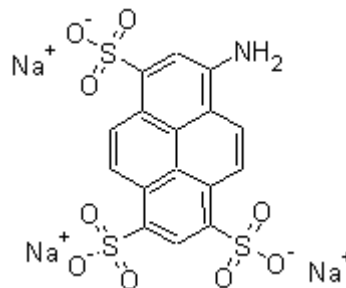


## APTS

Fluorescent label for glycoproteins and saccharides and extensively utilized to modify reducing sugars for analysis and sequencing.

### Product Description

<b>Name :</b>	<b>APTS</b> 8-Aminopyrene-1,3,6-trisulfonic acid, trisodium salt
<b>Catalog Number :</b>	FP-33972A, 10 mg
<b>Molecular Weight :</b>	MW= 523.39 C <sub>16</sub> H <sub>8</sub> NNa <sub>3</sub> O <sub>9</sub> S <sub>3</sub>
<b>Solubility:</b>	Water, DMSO or DMF
<b>Fluorescence:</b>	$\lambda_{exc}/\lambda_{em}$ (0.1 M Tris; pH 7.4) = 420 / 500 nm



**Storage:** -20°C  
Protect from light and moisture

### Introduction

This water-soluble reagent has strong green fluorescence with great Stokes shift. It is widely used for detecting carbohydrates and labeling glycoproteins in electrophoresis. It is also used to modify other carbonyl-containing biomolecules such as aldehydes and ketones.

### Directions for use

Instructions may be found in the literature.

### References

- **Bauer S. et al.**, Development and application of a suite of polysaccharide-degrading enzymes for analyzing plant cell walls, *PNAS*, 103: 11417 - 11422 (2006) [Article](#)
- **Nakajima K. et al.**, Screening method of carbohydrate-binding proteins in biological sources by capillary affinity electrophoresis and its application to determination of *Tulipa gesneriana* agglutinin in tulip bulbs, *Glycobiology* 14(9):793-804 (2004) [Article](#)
- **Persson S. et al.**, The *Arabidopsis irregular xylem8* Mutant Is Deficient in Glucuronoxylan and Homogalacturonan, Which Are Essential for Secondary Cell Wall Integrity, *PLANT CELL*, 19: 237 - 255 (2007) [Article](#)
- **Vervecken W. et al.**, In Vivo Synthesis of Mammalian-Like, Hybrid-Type N-Glycans in *Pichia pastoris*, *Applied and Environmental Microbiology*, p. 2639-2646, Vol. 70, No. 5 (2004) [Article](#)
- **Woronowicz A. et al.**, Trypanosome trans-sialidase targets TrkA tyrosine kinase receptor and induces receptor internalization and activation, *Glycobiology* 14(11):987-998 (2004) [Article](#)
- **Yang M. et al.**, Crystalline monoclonal antibodies for subcutaneous delivery, *PNAS*, vol. 100, no. 12, 6934-6939 (2003) [Article](#)

### Related / associated products and documents

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- HEPES, free acid, [061940](#)
- HPTS pyranine, [FP-46903A](#)

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>  
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

**Disclaimer :** Materials from FluoProbes® are sold **for research use only**, and are not intended for food, drug, household, or cosmetic use. FluoProbes® is not liable for any damage resulting from handling or contact with this product.