# **FluoProbes**<sup>®</sup>



Bifunctional fluorescent probe for nonpolar cavities in proteins

## **Product Description**

Name :	<b>Bis-ANS</b>	
	4,4'-Dianilino-1,1'-binaphthyl-5,5'- disulfonic acid, dipotassium salt	6
<b>Catalog Number :</b>	FP-46619A 5 mg	1
Structure :	$C_{32}H_{22}N_2O_6S_2K_2 \\$	
<b>Molecular Weight :</b>	MW= 672,85	
Solubility:	DMSO, DMF, Methanol and Water	
Absorption / Emission :	$\lambda_{exc} = 395/500 \text{ nm}$	
$EC (M^{-1} cm^{-1})$ :	24 000	



Storage: Room temperature

Protect from light and moisture

### Introduction

This product is a bifunctional fluorescent probe for nonpolar cavities in proteins. Bis-ANS has particularly high affinity for nucleotide-binding sites of some proteins. It is also useful as a structural probe for tubulin and as an inhibitor of microtubule assembly.

## **Directions for use**

### **Guidelines for use**

Protocol may be found in the literature.

#### References

- Chowdary T. et al., Mammalian Hsp22 is a heat-inducible small heat-shock protein with chaperone-like activity." *Biochem J* 381, 379-87 (2004)
- Kaur Y, et al., Active rhodanese lacking nonessential sulfhydryl groups has increased hydrophobic exposure not observed in wild-type enzyme." Protein J 23, 255-61 (2004)
- Gomes AM, et al. Pressure-Induced Fusogenic Conformation of Vesicular Stomatitis Virus Glycoprotein." Biochemistry 42, 5540-5546 (2003)

## **Technical and scientific information**

### Related / associated products and documents

• 1,8-ANS, FP-46579A



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#### FT-46619A

## **Ordering information**

Catalog size quantities and prices may be found at <u>http://www.interchim.com</u>.

Please inquire for higher quantities (availability, shipment conditions).

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

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