**Bis-ANS**

*Bifunctional fluorescent probe for nonpolar cavities in proteins*

**Product Description**

<table>
<thead>
<tr>
<th>Name</th>
<th>Bis-ANS 4,4'-Dianilino-1,1'-binaphthyl-5,5'-disulfonic acid, dipotassium salt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>FP-46619A 5 mg</td>
</tr>
<tr>
<td>Structure</td>
<td>C_{32}H_{22}N_{2}O_{6}S_{2}K_{2}</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>MW = 672,85</td>
</tr>
<tr>
<td>Solubility</td>
<td>DMSO, DMF, Methanol and Water</td>
</tr>
<tr>
<td>Absorption / Emission</td>
<td>( \lambda_{\text{exc}}\lambda_{\text{em}}\text{(MeOH)} = 395/500 \text{ nm} )</td>
</tr>
<tr>
<td>EC (M(^{-1}) cm(^{-1}))</td>
<td>24 000</td>
</tr>
</tbody>
</table>

**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**

Protocol may be found in the literature.

**References**

- 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)

**Technical and scientific information**

**Related / associated products and documents**

- 1,8-ANS, FP-46579A

**Ordering information**

Catalog size quantities and prices may be found at [http://www.interchim.com](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

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