

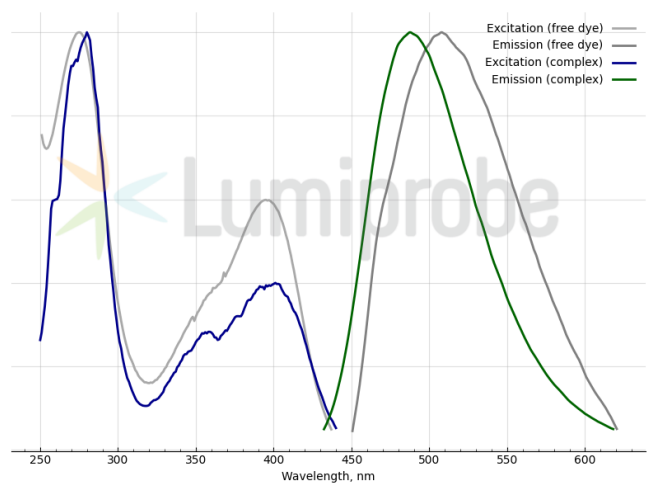
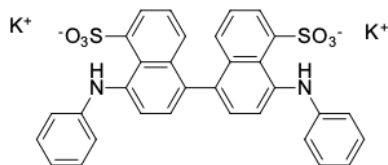
## Bis-ANS, protein conformation probe

<http://hk.lumiprobe.com/p/bis-ans-65664-81-5>

Bis-ANS is a high-affinity fluorescent probe for nonpolar cavities in proteins. Its hydrophobic phenyl and naphthyl rings interact noncovalently with proteins and protein degradation products.

As with other anilino-naphthalene sulfonates (ANS), bis-ANS is essentially nonfluorescent in water but becomes noticeably fluorescent in a nonpolar environment. When free, bis-ANS has an excitation maximum at 390 nm and an emission maximum at 523 nm but undergoes a blue shift with an increase in fluorescence intensity when bound to protein.

Bis-ANS is frequently used to monitor the formation of protein aggregates and indicate protein folding and conformational changes. The dye is also used to detect Aβ fibers.



- 外观: 淡黃綠色晶體
- 分子量: 672.87
- CAS 编号: 65664-81-5
- 分子式:  $C_{32}H_{22}K_2N_2O_6S_2$
- IUPAC 名称: dipotassium;8-anilino-5-(4-anilino-5-sulfonatophthalen-1-yl)naphthalene-1-sulfonate
- 溶解度: DMF: 30 mg/ml, DMSO: 30 mg/ml, 乙醇: 微溶, PBS (pH 7.2): 5 mg/ml
- 质量控制: NMR  $^1H$  和 HPLC-MS (95+%)
- 储存条件: 收到後 -20°C 避光保存 24 個月。運輸: 室溫最多可保存3週。乾燥。
- 法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。
- 激发/吸收极大值, 纳米: 396 (free), 401 (complex)
- 发射极大值, 纳米: 508 (free), 488 (complex)