

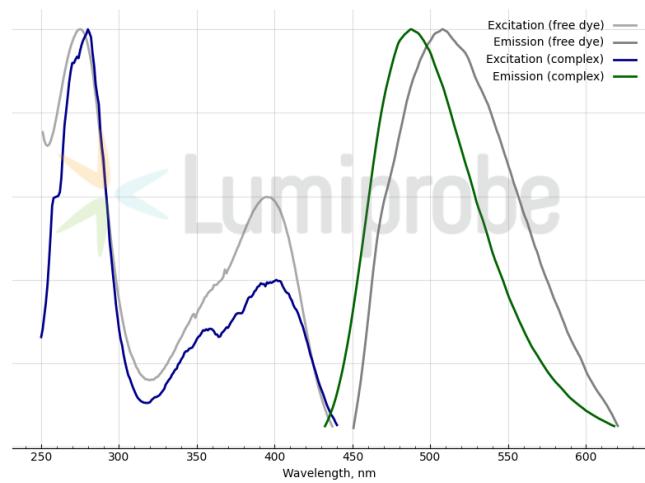
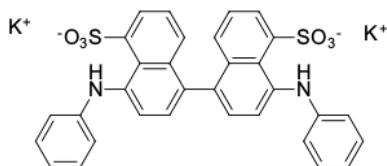
Bis-ANS, protein conformation probe

<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 anilinonaphthalene 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 A_β 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 ₂ N ₂ O ₆ S ₂
IUPAC 名称:	dipotassium;8-anilino-5-(4-anilino-5-sulfonatonaphthalen-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 ¹ H 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 396 (free), 401 (complex)

极大值, 纳米:

发射极大值, 508 (free), 488 (complex)
纳米: