

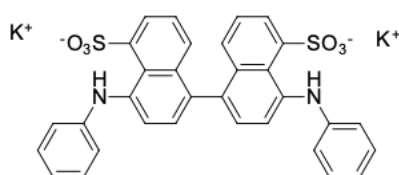
## Bis-ANS, protein conformation probe

<http://cn.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 $\beta$  fibers.



外观: 淡黄绿色晶体

分子量: 672.87

CAS 编号: 65664-81-5

分子式: C<sub>32</sub>H<sub>22</sub>K<sub>2</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub>

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 <sup>1</sup>H 和 HPLC-MS (95+%)

储存条件: 收到后在 -20°C 黑暗条件下可保存 24 个月。运输: 室温下最多可保存 3 周。干燥。

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