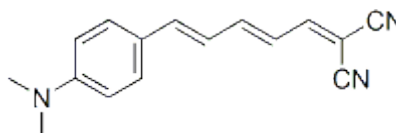


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: DCDAPH**CATALOG NUMBER:** 80030**MOLECULAR INFORMATION:** C₁₆H₁₅N₃
Mwt: 249.31**PROPERTIES:**

| | |
|---|------------------------|
| Color & Form | Dark purple solid |
| Purity | ≥ 95% by TLC |
| Solubility | Soluble in DMF or DMSO |
| $\lambda_{ex}/\lambda_{em}$ | 597/665 nm (PBS) |
| Extinction Coefficient (ϵ) | ≥41,500 |

STORAGE AND HANDLING:

Store at -20 °C and protect from light, especially in solution

APPLICATION:

DCDAPH (1,1-dicyano-6-(4-N,N-dimethylaminophenyl)-1,3,5-hexatriene) is a NIR fluorescent probe that has proved to have affinity to A β plaques in fluorescent staining of brain sections as well as in an in vivo binding assay using A β ₁₋₄₂ aggregates¹. DCDAPH has high affinity (K_i= 37 nM, K_d=27 nM) to A β ₁₋₄₂ aggregates.

1. J. Am. Chem. Soc. dx.doi.org/10.1021/ja4052922

TOXICITY:

Unknown

FIRST AID:

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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