DCDAPH (DANIR-2c)

Far-red fluorescent probe with high affinity for Aβ plaques/aggregates, that can be used for fluorescent staining of brain sections and *in vivo* detection of Aβ$_{1-42}$ aggregates in small animals.
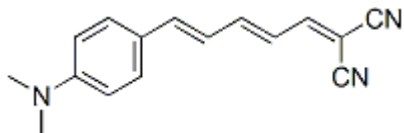
Product attributes

Apoptosis/viability marker	Amyloid stain
Colors	Far-red, Near-infrared
Excitation/Emission	597/665 nm

Product Description

DCDAPH (1,1-dicyano-6-(4-N,N-dimethylaminophenyl)-1,3,5-hexatriene) aka DANIR-2c, can be used for fluorescent staining of brain sections, as well as *in vivo* detection of Aβ$_{1-42}$ aggregates by small animal near-IR imaging[1].

- Far-red fluorescent probe with high affinity for Aβ plaques/aggregates
- Affinity for Aβ$_{1-42}$ aggregates: Ki= 37 nM, Kd=27 nM
- Dark purple solid
- λ$_{Ex}$/λ$_{Em}$ = 597/665 nm (PBS)
- Store at -20°C and protect from light, especially in solution
- C16H15N3
- MW: 249.31

References

1. J. Phys. Chem. B DOI: 10.1021/acs.jpcb.2c07783

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

This datasheet was generated on January 25, 2026 at 01:40:56 PM. Visit product page to check for updated information before use.
Product link: https://biotium.com/product/dcdaph/