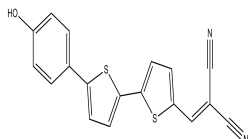


**Product: NIAD-4****ALTERNATE NAME:** 2-[[5-[5-(4-hydroxyphenyl)thiophen-2-yl]thiophen-2-yl]methylidene]propanedinitrile**CATALOG #:** 2710-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>10</sub>N<sub>2</sub>OS<sub>2</sub>**MOLECULAR WEIGHT:** 334.41**CAS NUMBER:** 868592-56-7**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** NIAD-4 is a novel class of fluorescent probe, having good blood-brain barrier permeability, specificity to amyloid-β plaques, and "turn-on" bright far-red emission upon Aβ binding. NIAD-4 has a structure geometry that is readily planarized and results in a red shift upon binding to Aβ. The highly polarizable bridge provides a substantial bathochromic shift in both absorption and emission spectra of the agent.**REFERENCES:** Brandenburg, E., *et al.* (2012). *Mol. BioSyst.* **8**, 557-564.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Congo Red (cat. No. 2588-100, 500)

CRANAD-2 (Cat. No. 2699-5, 25)

Methoxy-X04 (Cat. No. 2664-5, 25)

**FOR RESEARCH USE ONLY! Not to be used on humans.**