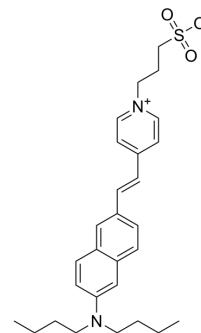


Di-4-ANEPPS

Cat. No.:	HY-129763
CAS No.:	90134-00-2
Molecular Formula:	C ₂₈ H ₃₆ N ₂ O ₃ S
Molecular Weight:	480.66
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Di-4-ANEPPS is a voltage-sensitive dye in membrane potential. Di-4-ANEPPS allows reaching a time resolution better than 1 ms and exhibits changes in fluorescence of up to 10% per 100 mV. Di-4-ANEPPS is a common tool for mapping cardiac electrical activity. Di-4-ANEPPS demonstrate significant direct irreversible effect on spontaneous heart rate and ventricular impulse conduction in rabbit isolated heart model^[1].

REFERENCES

[1]. Marina Ronzhina, et al. Di-4-ANEPPS Modulates Electrical Activity and Progress of Myocardial Ischemia in Rabbit Isolated Heart. *Front Physiol.* 2021 Jun 10;12:667065.

Caution: Product has not been fully validated for medical applications. For research use only.

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