7040 Virginia Manor Road
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SPQ

Catalog Number	Packaging Size
C274	50 mg

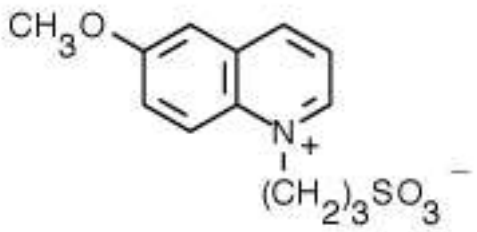
Storage upon receipt: -20°C, protected from light

Introduction

The chloride indicator **SPQ** has absorption/emission maxima ~344/443 and detects Cl^- via diffusion-limited collisional quenching.

Specifications

Label:	SPQ
Ex/Em:	344/443 nm
Detection Method:	Fluorescent
Solubility:	DMSO, DMF
Molecular Formula	$C_{13}H_{15}NO_4S$
Molecular Weight:	281.32
CAS Number:	83907-40-8
Storage Conditions:	-20°C, protect from light
Shipping Condition:	Room Temperature



Applications

Chloride indicator

References:

NO decreases thick ascending limb chloride absorption by reducing Na(+)-K(+)-2Cl(-) cotransporter activity.

Ortiz PA, Hong NJ, Garvin JL
Am J Physiol Renal Physiol (2001) 281:F819-F825

Endogenous nitric oxide inhibits chloride transport in the thick ascending limb.

Plato CF, Stoos BA, Wang D, Garvin JL
Am J Physiol (1999) 276:F159-F163

Characterisation of Chloride Transport at the Tonoplast of Higher Plants Using a Chloride-Sensitive Fluorescent Probe.

Pope AJ, Leigh RA
Planta (1990) 181:406-406