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QSY7 Quencher, Succinimidyl Ester

Catalog Number	Packaging Size
C100	5 mg

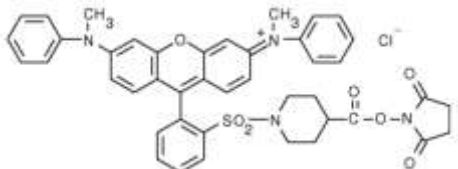
Storage upon receipt: -20°C, protect from light

Introduction

QSY7 quencher succinimidyl ester is a nonfluorescent acceptor dye for preparation of peptide and oligonucleotide FRET probes.

Specifications

Reactivity:	Primary amine
Abs Maximum:	560 nm
Extinction coefficient:	90,000 cm ⁻¹ M ⁻¹
Solubility:	DMSO, DMF
Molecular Formula:	C ₄₃ H ₃₉ ClN ₄ O ₇ S
Molecular Weight:	791.32
CAS Number:	304014-12-8
Storage Conditions:	-20°C, protect from light
Shipping Condition:	Room Temperature



The chemical structure shows a xanthene dye core with two N-methylphenyl groups and a phenyl group. It is linked via a sulfonamide group to a piperidine ring, which is further connected to a succinimidyl ester group. A chloride ion is shown as a counterion.

Applications

FRET probe.

References:

1. A novel approach to the analysis of specificity, clonality, and frequency of HIV-specific T cell responses reveals a potential mechanism for control of viral escape.
Douek DC, Betts MR, Brenchley JM, Hill BJ, Ambrozak DR, Ngai KL, Karandikar NJ, Casazza JP, Koup RA. *J Immunol* (2002) 168:3099-3104
2. Actin filament uncapping localizes to ruffling lamellae and rocketing vesicles.
Allen PG. *Nat Cell Biol* (2003) 5:972-979