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sulfo-Cyanine3 tetrazine

http://www.lumiprobe.com/p/sulfo-cy3-tetrazine

Tetrazine-trans-cyclooctene ligation is among the fastest bioconjugation reactions known to date.

This water-soluble sulfo-Cyanine3 derivative contains methyltetrazine moiety for the coupling with *trans*-cyclooctenes. Methyltetrazines possess optimal stability at physiological pH, while maintaining extremely high reactivity towards cyclooctenes.

The fluorophore is bright, photostable, and is also very well visible with naked eye.

Structure of sulfo-Cy3 tetrazine

General properties

Appearance: 838.05 Molecular weight: CaoHaaKNaOaSa Molecular formula:

IUPAC name:

Solubility: soluble in water (0.43 M = 36 g/L), DMF, DMSO

Ouality control: NMR 1H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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devices or in cosmetic products.

Spectral properties Excitation/absorption 548

 ϵ , L·mol⁻¹·cm⁻¹: 162000 Emission maximum, 563 Fluorescence 0.1 0.03 CF₂₈₀ 0.06

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