

Lumiprobe Corporation

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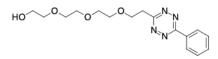
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Tetrazine-PEG3-OH

http://www.lumiprobe.com/p/peg3-tetrazine

Tetrazine-PEG3-OH is a monoreactive derivative that allows a facile attachment of hydrophilic triethyleneglycol fragment (pegylation) by inverse electron demand Diels-Alder reaction (IEDDA) with strained olefins, such as trans-cyclooctenes, and some cyclooctynes.



Structure of PEG3-tetrazine

General properties

Appearance: purple oil Molecular weight: 334.37 Molecular $C_{16}H_{22}N_4O_4$

formula:

IUPAC name: 2-(2-{2-[2-(6-Phenyl-1,2,4,5-tetraazin-3-yl)ethoxy}ethoxy}ethoxy)ethanol

Solubility: good in most organic solvents (excluding hydrocarbons)

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

Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3

conditions: weeks. Avoid prolonged exposure to light. Desiccate.

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