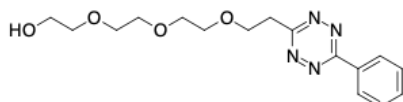


PEG3-tetrazine

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

PEG3-tetrazine 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 formula: $C_{16}H_{22}N_4O_4$

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 conditions: Storage: 24 months after receipt at $-20^{\circ}C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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