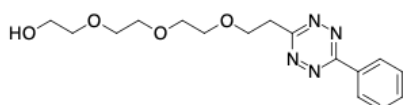


## Tetrazine-PEG3-OH

<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 formula:  | C <sub>16</sub> H <sub>22</sub> N <sub>4</sub> O <sub>4</sub>                                                                                                                                                                                                                                                                                                                                                                  |
| 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 <sup>1</sup> H, HPLC-MS (95%)                                                                                                                                                                                                                                                                                                                                                                                              |
| Storage conditions: | Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.                                                                                                                                                                                                                                                                    |
| Legal statement:    | This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products. |