



**Product Name:**

HaloTag PEG-Biotin Ligand

**Catalog Number:**

T01226

**Description:**

HaloTag is a self-labeling protein derived from the haloalkane dehalogenase DhaA from *Rhodococcus rhodochrous*. Its active site reacts with chloroalkane substrates to form an irreversible bond. The covalent linkage between the HaloTag ligand and HaloTag protein enables rapid isolation and purification. HaloTag PEG-Biotin Ligand can be used for protein biotinylation.

**Physical and Chemical Properties:**

Molecular Formula: C<sub>31</sub>H<sub>57</sub>CIN<sub>4</sub>O<sub>9</sub>S

Molecular Weight: 697.33

Physical Appearance: White Solid

Purity: ≥95%

**Optical Properties:**

Abs/Em Maxima: n/a.

**Solubility:**

DMSO, DMF

**Storage:**

Store at -20°C and protected from light.

**Shelf Life:**

12 months after the date of delivery.

**References:**

Wilhelm, J., Kuhn, S., Tamawski, M., Gotthard, G., Tunnermann, J., Tanzer, T., Karpenko, J., Mertes, N., Xue, L., Uhrig, U., Reinstein, J., Hiblot, J., & Johnsson, K. (2021). Kinetic and Structural Characterization of the Self-Labeling Protein Tags HaloTag7, SNAP-tag, and CLIP-tag. *Biochemistry*, 60(33), 2560–2575. <https://doi.org/10.1021/acs.biochem.1c00258>

**Caution:**

For Research Use Only.

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