



**Product Name:**

HaloTag diAcFAM Ligand

**Catalog Number:**

T01237

**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 diAcFAM Ligand is a cell permeable HaloTag fluorescent ligand and can be used to label intracellular proteins (494Ex/526Em after hydrolysis).

**Physical and Chemical Properties:**

Molecular Formula: C<sub>35</sub>H<sub>36</sub>CINO<sub>10</sub>

Molecular Weight: 666.12

Physical Appearance: Off white Solid

Purity: ≥95%

**Optical Properties:**

Abs/Em Maxima: 494/526 nm.

**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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