



Product Name:

HaloTag Coumarin Ligand

Catalog Number:

T01238

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 Coumarin Ligand is a cell permeable HaloTag fluorescent ligand and can be used to label intracellular proteins (353Ex/434Em).

Physical and Chemical Properties:

Molecular Formula: C₂₂H₃₁CIN₂O₅

Molecular Weight: 438.95

Physical Appearance: Yellow Solid

Purity: ≥95%

Optical Properties:

Abs/Em Maxima: 353/434 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.
