



Tenova  
Pharma

Chemistry for Life Sciences

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**Product Name:**

SNAP-Biotin

**Catalog Number:**

T01231

**Description:**

SNAP-tag is a self-labeling protein derived from human O6-alkylguanine-DNA-alkyltransferase. SNAP-tag reacts covalently with O6-benzylguanine derivatives. SNAP-Biotin can be used for protein biotinylation.

**Physical and Chemical Properties:**

Molecular Formula: C<sub>23</sub>H<sub>28</sub>N<sub>8</sub>O<sub>3</sub>S

Molecular Weight: 496.59

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.