



Tenova  
Pharma

Chemistry for Life Sciences

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**Product Name:**  
SNAP-FAM

**Catalog Number:**  
T01230

**Description:**

SNAP-tag is a self-labeling protein derived from human O<sup>6</sup>-alkylguanine-DNA-alkyltransferase. SNAP-tag reacts covalently with O<sup>6</sup>-benzylguanine derivatives. SNAP-FAM can be used for protein fluorescent labeling.

**Physical and Chemical Properties:**

Molecular Formula: C<sub>34</sub>H<sub>24</sub>N<sub>6</sub>O<sub>7</sub>  
Molecular Weight: 628.601  
Physical Appearance: Orange 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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