



Tenova
Pharma

Chemistry for Life Sciences

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Product Name:

SNAP-DBCO

Catalog Number:

T01233

Description:

SNAP-tag is a self-labeling protein derived from human O6-alkylguanine-DNA-alkyltransferase. SNAP-tag reacts covalently with O6-benzylguanine derivatives. SNAP-DBCO can be used to attach DBCO moiety to protein. DBCO has been extensively used in copper-free click chemistry.

Physical and Chemical Properties:

Molecular Formula: C₃₂H₂₇N₇O₃

Molecular Weight: 557.614

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.
