



Product Name:

SNAP-DOTA-tris(t-Bu)

Catalog Number:

T01232

Description:

SNAP-tag is a self-labeling protein derived from human O⁶-alkylguanine-DNA-alkyltransferase. SNAP-tag reacts covalently with O⁶-benzylguanine derivatives. SNAP-DOTA-tris(t-Bu) can be used to attach DOTA moiety to protein. DOTA has been used in many different diagnostic and therapeutic applications, such as MRI contrast agents, PET and SPECT imaging agents, and radiotherapeutic agents.

Physical and Chemical Properties:

Molecular Formula: C₄₁H₆₄N₁₀O₈

Molecular Weight: 825.025

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.
