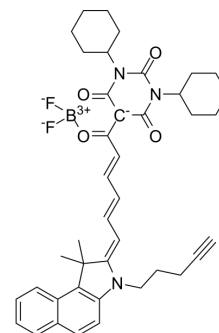


SMCy5.5

Cat. No.:	HY-139337
CAS No.:	2417507-09-4
Molecular Formula:	C ₄₁ H ₄₆ BF ₂ N ₃ O ₄
Molecular Weight:	693.63
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SMCy5.5 is an SMCy dye used for lipid droplet labeling with a very high two-photon absorption cross-section. SMCy, unlike the well-known lipid droplet marker Nile Red, has narrow absorption and emission bands in visible light, allowing for multicolor imaging. SMCy is shown to be compatible with fixation, producing high-quality 3D images of lipid droplets in cells and tissues. The high brightness of SMCy5.5 enables efficient tracking and imaging of lipid droplet exchange between adipocytes^[1].

REFERENCES

[1]. Collot M, et al. Ultrabright and Fluorogenic Probes for Multicolor Imaging and Tracking of Lipid Droplets in Cells and Tissues. *J Am Chem Soc.* 2018 Apr 25;140(16):5401-5411.

Caution: Product has not been fully validated for medical applications. For research use only.

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