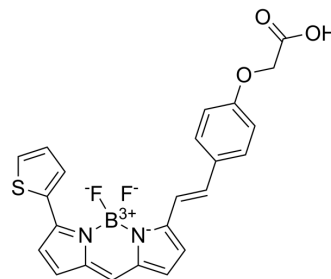


BDP 630/650 carboxylic acid

Cat. No.:	HY-D1650
CAS No.:	2183512-02-7
Molecular Formula:	C ₂₃ H ₁₇ BF ₂ N ₂ O ₃ S
Molecular Weight:	450.27
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BDP 630/650 carboxylic acid is a bright far-red fluorophore based on a borondipyrromethene scaffold. BDP 630/650 carboxylic acid is a BDP linker containing carboxylic acid. BDP 630/650 carboxylic acid can react with primary amine groups to form a stable amide bond. ($\lambda_{\text{ex}}=630 \text{ nm}$, $\lambda_{\text{em}}=650 \text{ nm}$)^{[1][2]}.

REFERENCES

- [1]. Lee A, et, al. Visualization of lipophagy using a supramolecular FRET pair. Chem Commun (Camb). 2021 Nov 16;57(91):12179-12182.
- [2]. Mitronova GY, et, al. High-Affinity Functional Fluorescent Ligands for Human β -Adrenoceptors. Sci Rep. 2017 Sep 26;7(1):12319.

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

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