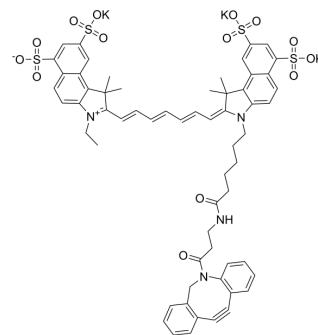


## Sulfo-Cy7.5 DBCO

Cat. No.:	HY-D2242
Molecular Formula:	C <sub>61</sub> H <sub>57</sub> K <sub>3</sub> N <sub>4</sub> O <sub>14</sub> S <sub>4</sub>
Molecular Weight:	1315.68
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Sulfo-Cy7.5 DBCO is a dye derivative of Cyanine 7.5 (Cy7.5) (HY-D0926) bearing a DBCO group. The sulfonate ion increases the water solubility of the compound, making it suitable for use in aqueous solutions. Sulfo-Cy7.5 DBCO can bind to biomolecules such as proteins and antibodies to track their location and dynamic changes in biological samples<sup>[1]</sup>.

### REFERENCES

[1]. Pavel N Melentiev, et al. Ultrafast, Ultrasensitive Detection and Imaging of Single Cardiac Troponin-T Molecules. ACS Sens. 2020 Nov 25;5(11):3576-3583.

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

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