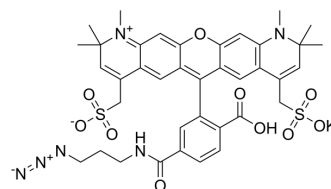


## AF 594 azide

Cat. No.:	HY-D2161
Molecular Formula:	C <sub>38</sub> H <sub>39</sub> KN <sub>6</sub> O <sub>10</sub> S <sub>2</sub>
Molecular Weight:	842.98
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

AF 594 azide is an azide derivative of the red fluorescent dye AF 594, which has high fluorescence quantum yield and high photostability (maximum absorption wavelength of 586 nm, maximum emission wavelength of 613 nm). AF 594 azide forms stable adducts by reaction of the azide group with alkynyl derivatives (terminal alkynes and cyclooctyne). It contains an azide group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing alkyne groups. It can also undergo ring strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing DBCO or BCN groups.

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

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