

Specification

Item number: 259N

AZDye 488 Azide Plus

≥95 %

CAS No.:

print date:

17.05.2024

formula: $C_{29}H_{30}N_{10}O_{10}S_2$

density:

storage temperature: -20 °C

molecular weight: 754,75 g/mol

Type analysis

Appearance

orange to red solid

Purity (HPLC)

≥95 %

This special green-fluorescent dye enables advanced click reaction kinetics due to molecular structure that works as a strong copper-chelating system allowing the formation of a strong and active copper complex, that makes AZDye 488 Azide Plus the reactant and the catalyst in the CuAAC reaction. Therefore, less amount of copper can be used achieving the same reaction efficiency. This effect can be crucial e.g. when copper sensitive enzyme or biomolecules shall be labeled. Once clicked to a biomolecule fluorescence detection is identical to FAM, FITC, or any other alternative dye.

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

Dr. R. Niemand

Head of Quality Assurance

S. Lorsee

Head of Quality Management

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