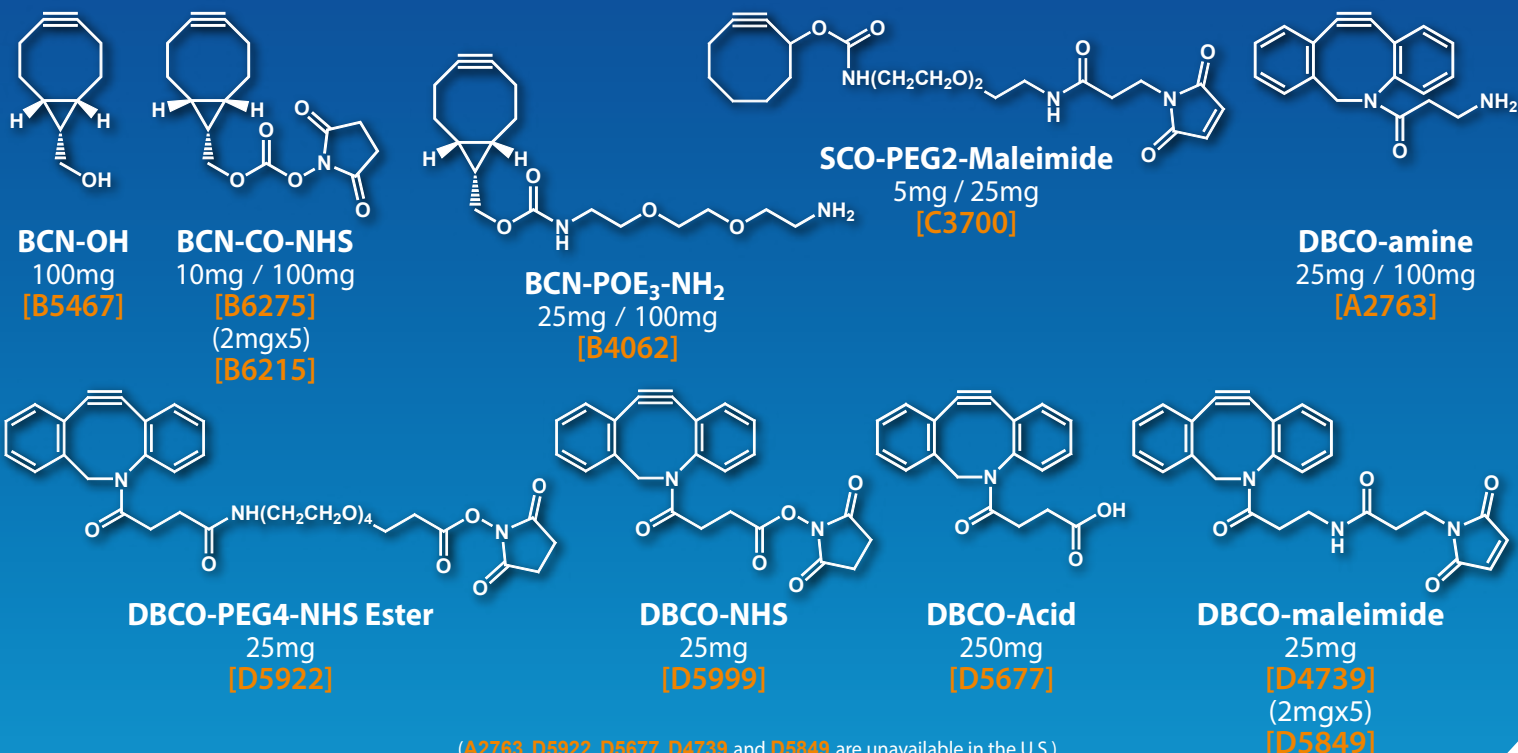


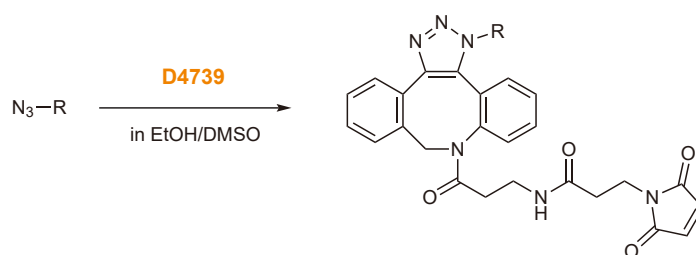
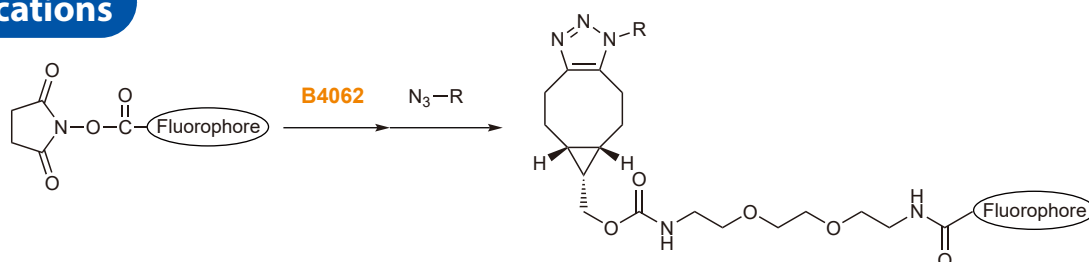
Copper-free Click Reaction Linkers



Advantages

- The copper(I)-free click reactions of these linkers with azides proceed due to the strained structure of the cyclooctyne/azacyclooctyne moiety.
- B6215 and D5849 are packaged in a set of five 2mg bottles, saving weighing time and allowing for full utilization of the content.

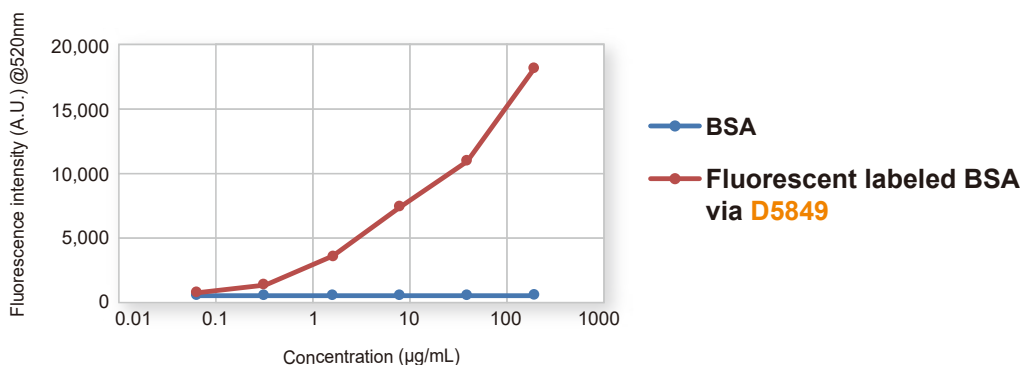
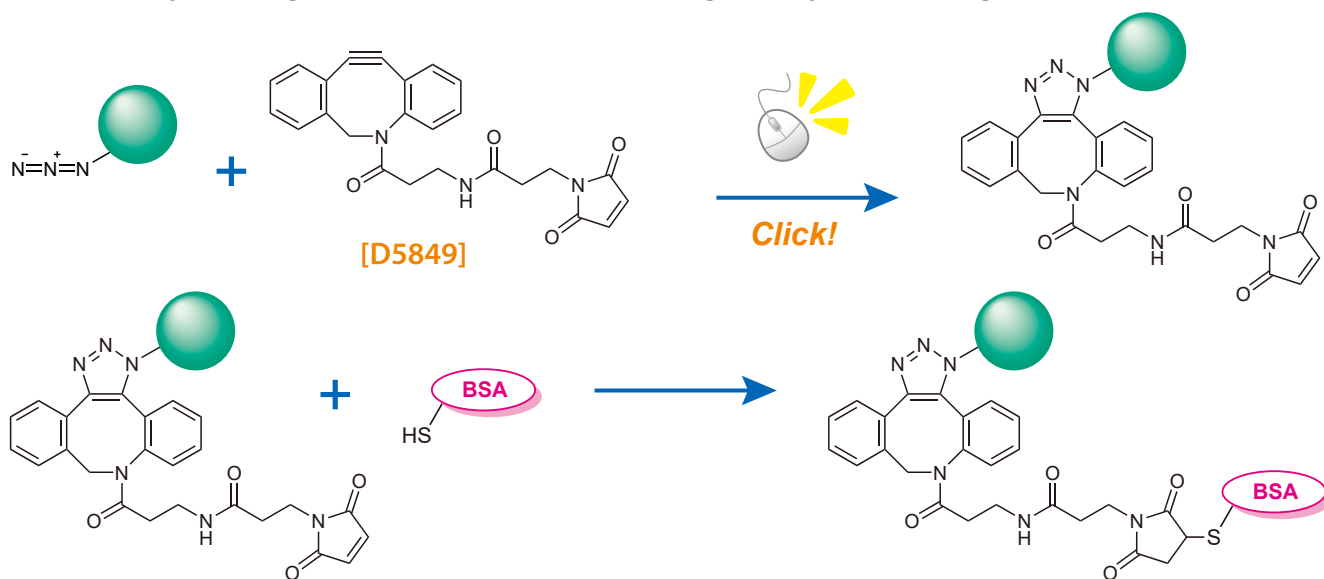
Applications



Copper-free Click Reaction Linkers

How to label BSA with a fluorescent dye via **D5849**

The below example shows a click reaction between an azide-bearing fluorescent dye and **D5849**, followed by labeling to BSA which obtains an SH group by Traut's reagent.



[Reaction Procedure]

- 1) Bring **D5849** to room temperature.
- 2) Dissolve **D5849** in 500 µL of DMSO. (0.01M solution)
- 3) Dissolve an azide-bearing fluorescent dye in DMSO to make 0.01M.
- 4) Mix 100 µL of the **D5849** solution prepared in 2) with 100 µL of the azide-bearing fluorescent dye solution made in 3).
- 5) Allow the reaction to proceed for 1 hour at room temperature (25°C).
- 6) Mix 90 µL of the click reaction product solution from 5) with BSA which obtains an SH group by Traut's reagent.
- 7) React at room temperature (25°C) for 30 minutes.
- 8) Remove unreacted and hydrolyzed products using a desalting column or dialysis method.

Related Products

Sulfo-SMCC Sodium Salt

Horseradish Peroxidase Maleimide Conjugate (0.5mg×3)

BSA Maleimide Conjugate (1mg×3)

Streptavidin Maleimide Conjugate

20mg / 100mg **[S0883]**

1set **[H1621]**

1set **[B5944]**

0.5mg/vial **[T3531]**

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