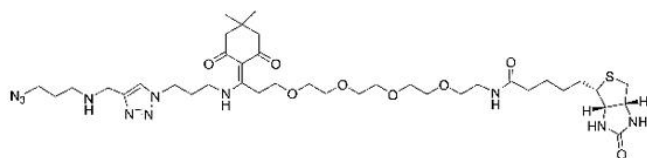


# DDE BIOTIN AZIDE PLUS

**SKU:** CCT-1489



## Description

Dde Biotin Azide Plus is an azide-activated cleavable biotin probe that allows for efficient recovery of streptavidin-bound protein complexes in affinity-based assays. This reagent contains a biotin moiety linked to azide group through a spacer arm containing a hydrazine-cleavable Dde moiety. Under mild conditions (2% aqueous hydrazine), the Dde linker is cleaved, releasing the biotin tag and any avidin conjugate bound to it.

Azide Plus reagents is the most recent step in improving CuAAC reaction in complex media developed by scientists at Click Chemistry Tools. Azide Plus reagents contain a complete copper-chelating system in their structure, allowing for the formation of strong, active copper complexes that act simultaneously as both reactant and catalyst in the CuAAC reaction. This azide-copper complex reacts almost instantaneously with alkynes under diluted conditions. This unprecedented reactivity in the CuAAC reaction is of special value for the detection of low abundance targets, improving biocompatibility, and is also valuable for any other application where greatly improved S/N ratio is highly desired

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Molecular weight</b>	834.05
<b>Molecular weight left behind</b>	238.17 (C <sub>9</sub> H <sub>18</sub> N <sub>8</sub> )
<b>Chemical composition</b>	C <sub>38</sub> H <sub>63</sub> N <sub>11</sub> O <sub>8</sub> S
<b>CAS</b>	N/A
<b>Solubility</b>	DMSO, DMF, THF, DCM, Chloroform
<b>Appearance</b>	Oil to amorphous solid
<b>Storage Conditions</b>	-20°C
<b>Shipping Conditions</b>	Ambient temperature

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**

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