
Alkyne tyramide

<http://www.lumiprobe.com/p/tyramide-alkyne>

Alkyne tyramide is a bifunctional molecule containing tyramide and alkyne residues. It is an alternative labeling substrate that can be used for tyramide signal amplification (TSA) and subsequent Copper-catalyzed Azide-Alkyne Cycloaddition (CuAAC) click reaction. It is also a clickable ascorbate peroxidase 2 (APEX2) probe, which enables biotin-independent detection of labeled proteins.

General properties

Appearance: beige powder

Molecular weight: 231.29

CAS number: 2230051-33-7

Molecular formula: $C_{14}H_{17}NO_2$

Solubility: DMSO, ethanol

Quality control: NMR 1H and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at $-20^{\circ}C$ in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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