

## **Lumiprobe Corporation**

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## **Hexynoic acid STP ester**

http://www.lumiprobe.com/p/hexynoic-acid-stp-ester

Alkyne activated ester for the labeling of amine groups in proteins, peptides and other molecules bearing aliphatic amine functional groups.

Sulfotetrafluorophenyl (STP) esters are excellent alternatives to conventional N-hydroxysuccinimide (NHS) esters. Compared to NHS esters, STP esters provide better ratio of labeling to hydrolysis in aqueous environments.

Hexynoic acid fragment is a short linker with amine. For longer amine linkers, consider using Alkyne-PEG activated esters.

## Structure of Hexynoic acid STP ester, sodium salt

## **General properties**

Appearance: white solid Mass spec M+ 94.04

increment:

Molecular weight: 362.23

 $Molecular \ formula: \qquad C_{12}H_7F_4O_5SNa$ 

IUPAC name: Sodium 4-(hex-5-ynoyloxy)-2,3,5,6-tetrafluorophenylsulfonate

Solubility: good in water, DMF, DMSO

Quality control: NMR <sup>1</sup>H, HPLC-MS (95%)

Storage conditions: Storage: 12 months after receival at -20°C in the dark. Transportation: at room temperature for up

to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or

in cosmetic products.