

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+ increment:	94.04
Molecular weight:	362.23
Molecular formula:	C ₁₂ H ₇ F ₄ O ₅ SNa
IUPAC name:	Sodium 4-(hex-5-ynoyloxy)-2,3,5,6-tetrafluorophenylsulfonate
Solubility:	good in water, DMF, DMSO
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.