

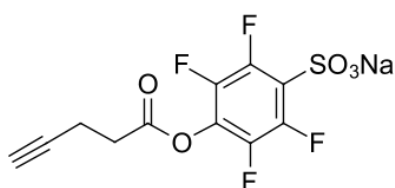
Pentynoic acid STP ester

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

This water soluble alkyne activated ester reagent is used for the attachment of alkyne group to various biomolecules such as proteins, and peptides. Amino-DNA, and other amines can be used as well. Since natural proteins do not contain alkynes, but almost always contain amines (lysines), this molecule is an "adaptor" to turn natural amines into alkynes.

Use this product to enable any of your proteins for Click Chemistry.

This is an STP (sulfotetrafluorophenyl) ester. STP esters are similar to NHS esters, but possess higher hydrophilicity, and water solubility. It works fine in pure aqueous reactions without addition of organic co-solvent, and is best suited for the modification of proteins.



Sulfotetrafluorophenyl ester of pentynoic acid

General properties

Appearance:	colorless solid
Mass spec M+ increment:	80.0
Molecular weight:	348.20
CAS number:	1807530-14-8
Molecular formula:	C ₁₁ H ₅ F ₄ NaO ₅ S
IUPAC name:	4-Pentynoic acid, 2,3,5,6-tetrafluoro-4-sulfophenyl ester, sodium salt
Solubility:	good in water
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.