Product Data Sheet

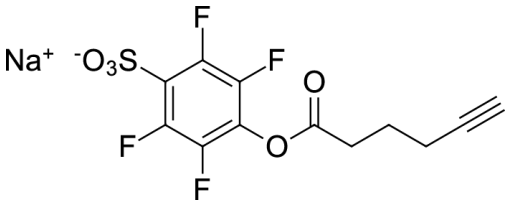
Product Name: Hexynoic acid STP ester
Cat. No.: GC59027

Chemical Properties

Cas. No.

Formula	$C_{12}H_7F_4O_5SNa$	M.Wt	362.23
Solubility	good in water, DMF, DMSO	Storage	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.
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.
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