

Product Information

6-(Tritylthio)hexanoic acid

Cat. No.: X24-09-YYX130

Size: 500 mg; 1 g

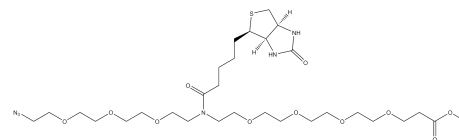
CAS Number: 80441-55-0

PubChem CID: 21480969

Synonym: 80441-55-0; 6-(Tritylthio)-hexanoic acid; 6-(Tritylthio)hexanoic acid;

6-tritylsulfanylhhexanoic acid; 6-TRITYLMERCAPTO-HEXANOIC ACID

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	6-(Tritylthio)hexanoic acid contains a tritylthio group and a hexanoic acid moiety. It is often utilized as a protecting group or as an intermediate in organic synthesis, particularly in the formation of sulfur-containing compounds or the synthesis of complex molecules.
Molecular Weight	390.5
Molecular Formula	C ₂₅ H ₂₆ O ₂ S
Functional Group 1	Acid
Functional Group 2	Thiol
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Alkenyl
Reactive Group 3	Alkynyl
IUPAC Name	6-Tritylsulfanylhhexanoic acid
InChI	InChI=1S/C25H26O2S/c26-24(27)19-11-4-12-20-28-25(21-13-5-1-6-14-21,22-15-7-2-8-16-22)23-17-9-3-10-18-23/h1-3,5-10,13-18H,4,11-12,19-20H2,(H,26,27)
InChI Key	ILAPAFBLFPIIBL-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=CC=C3)SCCCCCC(=O)O
Form	Solid
Identity	Confirmed by NMR.
Applications	This compound can serve as a functionalized linker in the synthesis of polymeric materials or as a building block in organic synthesis, particularly in the development of therapeutically relevant compounds and for the modification of biomolecules for drug delivery applications.

Storage

Store at -20°C.
