

Product Information

Ester/Bromo/Phosphonate PEG reagent, Diethyl 7-bromoheptylphosphonate, Purity ≥98%

Cat. No.: X25-10-YM017

Size: 250 mg; 500 mg; 1 g; 5 g

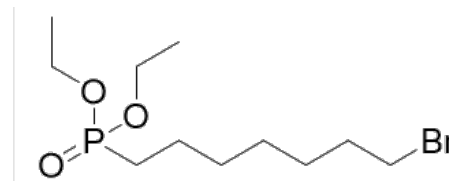
CAS Number: 100462-73-5

PubChem CID: 77078416

Synonym: 100462-73-5; Diethyl 7-bromoheptylphosphonate;

1-Bromo-7-diethoxyphosphorylheptane

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



Product Information

Description	Diethyl 7-bromoheptylphosphonate exhibits a molecular mass of 315.2 and is denoted by the molecular formula $C_{11}H_{24}BrO_3P$. The functional moieties are ester, bromo, and phosphonate, and reactive groups are defined by acid and alcohol.
Molecular Weight	315.2
Molecular Formula	$C_{11}H_{24}BrO_3P$
Functional Group 1	Ester
Functional Group 2	Bromo
Functional Group 3	Phosphonate
Reactive Group 1	Acid
Reactive Group 2	Alcohol
IUPAC Name	1-Bromo-7-diethoxyphosphorylheptane
InChI Key	RWOSPHWPPFSFDO-UHFFFAOYSA-N
Canonical SMILES	<chem>CCOP(=O)(CCCCCBr)OCC</chem>
Form	Liquid
Purity	≥98%
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	Diethyl 7-bromoheptylphosphonate plays a key role in the development of functionalized surfaces for biosensors and drug delivery systems.
Storage	Store at -20°C.

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