

Product Information

Amine/Ester/Phosphoramidic acid PEG reagent, [6-(Diethoxy-phosphorylamino)-hexyl]-phosphoramidic acid diethyl ester, Purity ≥96%

Cat. No.: X25-10-YM041

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

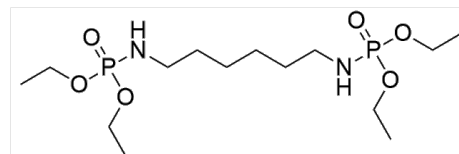
CAS Number: 1446282-35-4

PubChem CID: 23412857

Synonym: 1446282-35-4; [6-(Diethoxy-phosphorylamino)-hexyl]-phosphoramidic acid diethyl ester; C6-Bis-phosphoramidic acid diethyl ester; *N,N*

'-Bis(diethoxyphosphoryl)hexane-1,6-diamine

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



Product Information

Molecular Weight	388.4
Molecular Formula	C ₁₄ H ₃₄ N ₂ O ₆ P ₂
Functional Group 1	Amine
Functional Group 2	Ester
Functional Group 3	Phosphoramidic acid
Reactive Group 1	Alcohol
Reactive Group 2	Nucleophile
IUPAC Name	<i>N,N'</i> -Bis(diethoxyphosphoryl)hexane-1,6-diamine
InChI Key	JEMFOZIVPLEZRU-UHFFFAOYSA-N
Canonical SMILES	CCOP(=O)(NCCCCCNP(=O)(OCC)OCC)OCC
Form	Solid
Purity	≥96%
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	[6-(Diethoxy-phosphorylamino)-hexyl]-phosphoramidic acid diethyl ester plays a key role in the design of biomaterials for tissue engineering due to its biocompatibility and reactivity.
Storage	Store at -20°C.