

Product Information

Amine/Hydroxyl PEG reagent, (4-Methoxyphenyl)diphenylmethylamino-PEG7, Purity 98%

Cat. No.: X24-03-YW0693

Size: 250 mg; 500 mg; 1 g

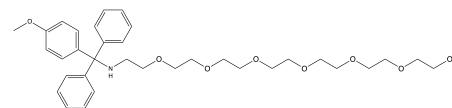
CAS Number: 2353409-88-6

PubChem CID: 137334066

Synonym: 2353409-88-6; Methoxy-Tr-NH-PEG7;

(4-methoxyphenyl)diphenylmethylamino-PEG7;

1-(4-Methoxyphenyl)-1,1-diphenyl-5,8,11,14,17,20-hexaoxa-2-azadocosan-22-ol



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

Product Information

Description	(4-Methoxyphenyl)diphenylmethylamino-PEG7 is a PEG-based compound containing a (4-methoxyphenyl)diphenylmethylamino group attached to a PEG7 chain. The PEG7 spacer enhances solubility and stability in aqueous and organic media, while the amine moiety provides reactivity for conjugation and further chemical modifications.
Molecular Weight	597.8
Molecular Formula	C ₃₄ H ₄₇ NO ₈
Functional Group 1	Amine
Functional Group 2	Hydroxyl
Reactive Group 1	Acid
Reactive Group 2	Nucleophile
IUPAC Name	2-[2-[2-[2-[2-[2-[2-[[4-(4-Methoxyphenyl)-diphenylmethyl]amino]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanol
InChI	InChI=1S/C34H47NO8/c1-37-33-14-12-32(13-15-33)34(30-8-4-2-5-9-30,31-10-6-3-7-11-31)35-16-18-38-20-22-40-24-26-42-28-29-43-27-25-41-23-21-39-19-17-36/h2-15,35-36H,16-29H2,1H3
InChI Key	LONIPAJJKAGCC-UHFFFAOYSA-N
Canonical SMILES	COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=CC=C3)NCCOCCOCCOCCOCCOCCOCCOCCO
Form	Solid
Purity	98%
Identity	Confirmed by NMR.

Applications	(4-Methoxyphenyl)diphenylmethylamino-PEG7 is used in drug delivery, bioconjugation, and material synthesis. The PEG7 chain ensures hydrophilicity and biocompatibility, while the amino group enables coupling with biomolecules and other functional entities, making it suitable for creating hydrophilic linkers and functionalized materials in pharmaceutical research.
Storage	Store at -20°C.