

Product Information

3, 5-O-Bis(p-chlorobenzoyl)-2-deoxy- α -D-ribofuranosyl chloride

Cat. No.: X24-03-LY122

Size: 1 g; 5 g; 10 g; 25 g; 100 g; 500 g; 1 kg

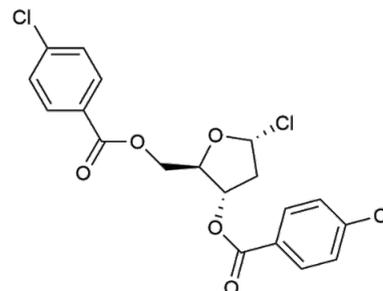
CAS Number: 21740-23-8

PubChem CID: 9845541

Synonym: 21740-23-8; NSC 140594; 1-Chloro-2-deoxy-3,

5-O-bis(p-chlorobenzoyl)- α -D-erythro-pentofuranose; 3,

5-bis-O-(4-chlorobenzoyl)-2-deoxypentofuranosyl chloride



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

Product Information

Description	3, 5-O-Bis(p-chlorobenzoyl)-2-deoxy- α -D-ribofuranosyl chloride is a deoxyribose derivative in which the 2-position and 3, 5-position are substituted with chlorine and p-chlorobenzoyl.
Molecular Weight	429.68
Molecular Formula	C ₁₉ H ₁₅ Cl ₃ O ₅
IUPAC Name	[(2R, 3S, 5R)-5-Chloro-3-(4-chlorobenzoyl)oxyoxolan-2-yl]methyl 4-chlorobenzoate
InChI	InChI=1S/C19H15Cl3O5/c20-13-5-1-11(2-6-13)18(23)25-10-16-15(9-17(22)26-16)27-19(24)12-3-7-14(21)8-4-12/h1-8, 15-17H, 9-10H2/t15-, 16+, 17-/m0/s1
InChI Key	QEHCZULNFYDPPL-BBWFWOEESA-N
Canonical SMILES	C1C(C(OC1Cl)COC(=O)C2=CC=C(C=C2)Cl)OC(=O)C3=CC=C(C=C3)Cl
Isomeric SMILES	C1[C@@H]([C@H](O[C@@H]1Cl)COC(=O)C2=CC=C(C=C2)Cl)OC(=O)C3=CC=C(C=C3)Cl
Form	White to off-white solid
Purity	≥98%
Applications	3, 5-O-Bis(p-chlorobenzoyl)-2-deoxy- α -D-ribofuranosyl chloride can be used to synthesize biological macromolecules such as ribonucleic acid (RNA) or deoxyribonucleic acid (DNA), and is often used to study genes, protein synthesis, and molecular signaling in organisms.
Storage	Store at -20°C.

Safety Information

Personal Protective Gloves, eyeshields, N95 mask



Equipment

Hazard Statements H302-H315-H319-H335
