



Product Information

4-Nitrophenyl β -D-N,N',N''-triacetylchitotriose

Cat. No.: XGB890

Size: 1 mg; 5 mg

MDL: MFCD00057914

CAS Number: 7699-38-9

PubChem Substance ID: 24897686

NACRES: NA.32

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

Product Information

Molecular Weight	748.69
Empirical Formula	C ₃₀ H ₄₄ N ₄ O ₁₈
InChI	1S/C ₃₀ H ₄₄ N ₄ O ₁₈ /c1-11(38)31-19-23(42)22(41)16(8-35)48-29(19)51-27-18(10-37)50-30(21(25(27)44)33-13(3)40)52-26-17(9-36)49-28(20(24(26)43)32-12(2)39)47-15-6-4-14(5-7-15)34(45)46/h4-7,16-30,35-37,41-44H,8-10H ₂ ,1-3H ₃ ,(H,31,38)(H,32,39)(H,33,40)
SMILES string	<chem>CC(=O)NC1C(O)C(O)C(CO)OC1OC2C(O)C(NC(C)=O)C(OC2CO)OC3C(O)C(NC(C)=O)C(OC3CO)Oc4ccc(cc4)[N+](=O)[O-]</chem>
Form	powder
Purity	chitinase and lysozyme substrate
Solubility	DMSO: 9.80-10.20 mg/mL, clear to slightly hazy, colorless to yellow
Quality Level	200
Applications	4-Nitrophenyl β -D-N,N',N''-triacetylchitotriose has been used as a substrate for determining the endochitinase activity of a novel protein isolated from the yam (<i>Dioscorea opposita</i> Thunb.) (DOI), enzyme activity of recombinant chitinase CvChi45.
Storage	2-8°C

Safety Information

Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
WGK Germany	WGK 3



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