



Product Information

4-Methylumbelliferyl β -D-cellobioside

Cat. No.: XGB876

Size: 100 mg; 500 mg

MDL: MFCD00063279

CAS Number: 72626-61-0

PubChem Substance ID: 24897067

NACRES: NA.32

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

Product Information

Molecular Weight	500.45
Empirical Formula	C ₂₂ H ₂₈ O ₁₃
InChI	1S/C ₂₂ H ₂₈ O ₁₃ /c1-8-4-14(25)32-11-5-9(2-3-10(8)11)31-21-19(30)17(28)20(13(7-24)34-21)35-22-18(29)16(27)15(26)12(6-23)33-22/h2-5,12-13,15-24,26-30H,6-7H2,1H3/t12-,13-,15-,16+,17-,18-,19-,20-,21-,22+/m1/s1
SMILES string	CC1=CC(=O)Oc2cc(O[C@@H]3O[C@H](CO)[C@@H](O[C@@H]4O[C@H](CO)[C@@H](O)[C@H](O)[C@H]4O)[C@H]3O)[C@H](O)[C@H]3O)ccc12
Form	powder
Purity	glucanase substrate
Solubility	water: 19.60-20.40 mg/mL, clear, colorless to faintly yellow
Quality Level	200
Applications	4-Methylumbelliferyl β -D-cellobioside has been used as a substrate: • to assay cellulase from <i>Aspergillus niger</i> • to determine 1,4- β -cellobiohydrolase extracellular activity
Storage	2-8°C

Safety Information

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