



Product Information

4-Methylumbelliferyl- β -D-glucuronide hydrate

Cat. No.: XGB862

Size: 25 mg; 100 mg; 250 mg; 1 g

MDL: MFCD09039280

CAS Number: 881005-91-0

PubChem Substance ID: 329818083

NACRES: NA.52

Synonym: 4-Methylumbelliferyl- β -D-glucopyranosiduronic acid, MUG

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

Product Information

Molecular Weight	352.29 (anhydrous basis)
Empirical Formula	C ₁₆ H ₁₆ O ₉ · xH ₂ O
InChI	1S/C ₁₆ H ₁₆ O ₉ .H ₂ O/c1-6-4-10(17)24-9-5-7(2-3-8(6)9)23-16-13(20)11(18)12(19)14(25-16)15(21)22;/h2-5,11-14,16,18-20H,1H3,(H,21,22);1H2/t11-,12-,13+,14-,16+;/m0./s1
SMILES string	O.CC1=CC(=O)Oc2cc(O[C@@H]3O[C@@H]([C@@H](O)[C@H](O)[C@H]3O)C(O)=O)ccc12
Form	powder
Purity	≥98% (HPLC), BioReagent, for identification of transformed plants
Solubility	pyridine: 50 mg/mL, clear, colorless to very faintly yellow
Quality Level	200
Applications	Suitable for fluorescent detection of glucuronidase gene expression in plants.
Storage	-20°C

Safety Information

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