



Product Information

3-Carboxyumbelliferyl b-D-galactopyranoside

Cat. No.: X24-11-LY424

Size: 2 mg; 5 mg; 10 mg; 25 mg; 50 mg

MDL: MFCD00153934

CAS Number: 64664-99-9

Compound CID: 10133607

Synonym: 64664-99-9; CUG; Carboxyumbelliferyl b-D-galactoside;

3-Carboxyumbelliferyl beta-D-galactopyranoside;

2-oxo-7-[(2S,3R,4S,5R,6R

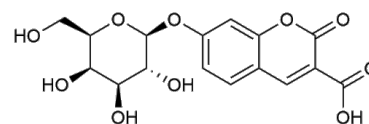
)-3,4,5-Trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromene-3-carboxylic acid;

2-oxo-7-(((2S,3R,4S,5R,6R

)-3,4,5-trihydroxy-6-(hydroxymethyl)te

trahydro-2H-pyran-2-yl)oxy)-2H-chromene-3-carboxylic acid

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



Product Information

Description	3-Carboxyumbelliferyl b-D-galactopyranoside is a CU substrate and is often used for enzyme activity assays.
Molecular Weight	368.28
Molecular Formula	C ₁₆ H ₁₆ O ₁₀
IUPAC Name	2-oxo-7-[(2S,3R,4S,5R,6R)-3,4,5-Trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromene-3-carboxylic acid
InChI	InChI=1S/C16H16O10/c17-5-10-11(18)12(19)13(20)16(26-10)24-7-2-1-6-3-8(14(21)22)15(23)25-9(6)4-7/h1-4,10-13,16-20H,5H2,(H,21,22)/t10-,11+,12+,13-,16-/m1/s1
InChI Key	HGMXXIAQZWTZLR-WUGLTUCPSA-N
SMILES string	C1=CC2=C(C=C1O[C@H]3[C@@H]([C@H]([C@H]([C@H](O3)CO)O)O)OC(=O)C(=C2)C(=O)O
Form	Powder
Purity	≥97%, determined by HPLC.
Identity	Confirmed by NMR.
Applications	3-Carboxyumbelliferyl b-D-galactopyranoside can be used for biomarkers and probe chemistry to aid in the study of glycosylation biological processes.



Storage

Store at -20°C.
