



Product Information

4-Methylumbelliferyl 6-thio-palmitate-b-D-glucopyranoside

Cat. No.: X24-11-LY237

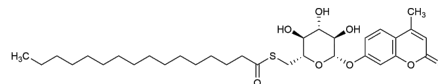
Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

MDL: MFCD04039627

CAS Number: 229644-17-1

Compound CID: 71750703

Synonym: 229644-17-1; Mu-6S-Palm-b-GlcINCL; 4-Methylumbelliferyl 6-thio-palmitate-beta-D-glucopyranoside; Mu-6S-Palm-[A-Glc; S-[[[(2S,3S,4S,5R,6S)-3,4,5-Trihydroxy-6-(4-methyl-2-oxochromen-7-yl)oxyoxan-2-yl)methyl]hexadecanethioate; 4-Methylumbelliferyl 6-Thio-palmitate-?-D-glucopyranoside; S-[[[(2S,3S,4S,5R,6S)-3,4,5-Trihydroxy-6-((4-methyl-2-oxo-2H-chromen-7-yl)oxy)tetrahydro-2H-pyran-2-yl)methyl] hexadecanethioate; 2H-1-Benzopyran-2-one, 4-methyl-7-[[[6-S-(1-oxohexadecyl)-6-thio-beta-D-glucopyranosyl]oxy]-



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

Product Information

Description	4-Methylumbelliferyl 6-thio-palmitate-b-D-glucopyranoside is a MU substrate with certain fluorescence characteristics.
Molecular Weight	592.78
Molecular Formula	C ₃₂ H ₄₈ O ₈ S
IUPAC Name	S-[[[(2S,3S,4S,5R,6S)-3,4,5-Trihydroxy-6-(4-methyl-2-oxochromen-7-yl)oxyoxan-2-yl)methyl]hexadecanethioate
InChI	InChI=1S/C32H48O8S/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-28(34)41-21-26-29(35)30(36)31(37)32(40-26)38-23-17-18-24-22(2)19-27(33)39-25(24)20-23/h17-20,26,29-32,35-37H,3-16,21H2,1-2H3/t26-,29-,30+,31-,32-/m1/s1
InChI Key	XCNUAQFXJPMZLU-GBXWWPGSA-N
SMILES string	CCCCCCCCCCCCCCCC(=O)SC[C@@H]1[C@H]([C@@H]([C@H]([C@@H]([C@@H](O1)OC2=CC3=C(C(=C2)C(=CC(=O)O3)C)O)O)O
Flash	400.21°C



Form	Powder
Purity	≥99%, determined by HPLC.
Identity	Confirmed by NMR.
Melting Point	124°C
Applications	4-Methylumbelliferyl 6-thio-palmitate-b-D-glucopyranoside can be used for the assay of palmitoyl-protein thioesterase.
Storage	Store at -20°C.
