



Product Information

4-Methylumbelliferyl elaidate

Cat. No.: X24-11-LY457

Size: 500 mg; 1 g; 2.5 g; 5 g

MDL: MFCD00037610

CAS Number: 69003-01-6

Compound CID: 6030694

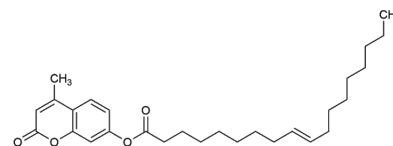
Synonym: 69003-01-6; Umbelliferyl oleate; (4-Methyl-2-oxochromen-7-yl)

(*E*)-octadec-9-enoate; 4-Methyl-2-oxo-2*H*-1-benzopyran-7-yl (*E*)-9-octadecenoate;

4-Methyl-2-oxo-2*H*-chromen-7-yl (*E*)-octadec-9-enoate;

4-Methyl-2-oxo-2*H*-1-benzopyran-7-yl 9(*E*)-9-octadecenoate

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



Product Information

Description	4-Methylumbelliferyl elaidate is a MU substrate for various enzymes in cells.
Molecular Weight	440.61
Molecular Formula	C ₂₈ H ₄₀ O ₄
IUPAC Name	(4-Methyl-2-oxochromen-7-yl) (<i>E</i>)-octadec-9-enoate
InChI	InChI=1S/C28H40O4/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-27(29)31-24-19-20-25-23(2)21-28(30)32-26(25)22-24/h10-11,19-22H,3-9,12-18H2,1-2H3/b11-10+
InChI Key	NKQFKJYKCVDLPT-ZHACJKMWSA-N
SMILES string	CCCCCCCC/C=C/CCCCCCCC(=O)OC1=CC2=C(C=C1)C(=CC(=O)O2)C
Flash	281.3°C
Form	Fine needles
Purity	≥95%, determined by NMR.
Impurities	Impurity (chlorophenol red, UV) ≤0.1 %
Identity	Confirmed by NMR.
Boiling Point	571.5°C
Applications	4-Methylumbelliferyl elaidate can be used as a model system for studying bacterial metabolism.
Storage	store at -20°C.