



RBM14C12

Cat. No.:	OB0626WX-5549
Appearance:	Powder
Purity:	>99%
Size:	1 mg; 2 mg; 5 mg; 10 mg

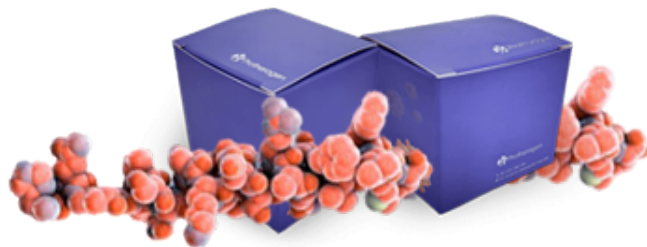
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	RBM14C12 is a synthetic amphiphilic lipid derivative featuring a defined C12 hydrophobic segment and a chemically engineered headgroup suitable for lipid chemistry and membrane-related investigations.
Synonyms	N-((2S,3R)-1,3-dihydroxy-5-((2-oxo-2H-chromen-7-yl)oxy)pentan-2-yl)dodecanamide; 1309763-43-6
CAS No.	1309763-43-6
Compound CID	56924628
Formula	C ₂₆ H ₃₉ NO ₆
Formula Weight	461.59

Specification

Hygroscopic	No
Light Sensitive	No
IUPAC Name	N-[(2S,3R)-1,3-dihydroxy-5-(2-oxochromen-7-yl)oxypentan-2-yl]dodecanamide
InChI	InChI=1S/C26H39NO6/c1-2-3-4-5-6-7-8-9-10-11-25(30)27-22(19-28)23(29)16-17-32-21-14-12-20-13-15-26(31)33-24(20)18-21/h12-15,18,22-23,28-29H,2-11,16-17,19H2,1H3,(H,27,30)/t22-,23+/m0/s1
InChI Key	NDFWDPYHZLWFTO-XZOQPEGZSA-N
Canonical SMILES	CCCCCCCCCCCC(=O)N[C@@H](CO)[C@@H](CCOC1=CC2=C(C=C1)C=CC(=O)O2)O
Stability	1 year
Storage	Storage at -20°C.



Applications

RBM14C12 serves as a synthetic lipid material for investigating membrane interactions, lipid assembly behavior, and amphiphilic compound characterization. It supports studies involving lipid-based systems and physicochemical analysis of synthetic lipid structures.