Other Data: *R*- and *S*- diastereomers isol., both having 13'S- side-chain config

>>**Variant: Glycerol 12*S*-methyltetradecanoate**
Synonym(s): 1-*O*-(12-Methyltetradecanoyl)glycerol. **Aggreceride A**

CAS Registry Number: 19207-26-2

Molecular Formula: $C_{18}H_{36}O_4$
Molecular Weight: 316.48
Accurate Mass: 316.26136
Percentage Composition: C 68.31%; H 11.46%; O 20.22%
Biological Source: Prod. by *Streptomyces* sp. Om 3209
Biological Use/Importance: Platelet aggregation inhibitor
Melting Point: Mp 29-30°
Optical Rotation: $[\alpha]_D^{21}$ +9.7 (c, 0.33 in $CHCl_3$) (+7.2)
Solubility: BERDY SOL: Sol. MeOH, C_6H_6, H_2O
Other Data: Assigned *R*-config. at glycerol

>>**Variant: Glycerol 1-hexadecanoate**
Synonym(s): 1-*O*-Hexadecanoylglycerol. α-Monopalmitin. Glycerol 1-palmitate. 1-Palmitoylglycerol. Hexadexanoic acid 2,3-dihydroxypropyl ester

CAS Registry Number: 542-44-9
Extra CAS Registry Numbers(s): 5309-46-6 19670-51-0 26657-96-5
Molecular Formula: $C_{19}H_{38}O_4$
Molecular Weight: 330.507
Accurate Mass: 330.27701
Percentage Composition: C 69.05%; H 11.59%; O 19.36%
Melting Point: Mp 71-72 *R*-form°. Mp 77° (± -form)
Optical Rotation: $[\alpha]_D$ –4.3 (c, 10 in Py) (±-form)

>>**Derivative:** 3-*O*-β-D-Galactopyranoside
Synonym(s): 1-*O*-β-D-Galactopyranosyl-3-*O*-hexadecanoylglycerol

CAS Registry Number: 35949-84-9

Molecular Formula: $C_{25}H_{48}O_9$
Molecular Weight: 492.649
Accurate Mass: 492.329835
Percentage Composition: C 60.95%; H 9.82%; O 29.23%
Biological Source: Constit. of the alga *Oscillatoria rosea* and *Spongia* cf. *hispida*
Biological Use/Importance: Platelet aggregation inhibitor
Physical Description: Amorph. powder
Melting Point: Mp 119-121°
Optical Rotation: $[\alpha]_D^{31}$ +9.2 (c, 0.8 in MeOH)
Other Data: C-2 shows (*S*)-config.

>>**Variant: Glycerol 1-*O*-(9-hexadecenoate)**

Molecular Formula: $C_{19}H_{36}O_4$
Molecular Weight: 328.491
Accurate Mass: 328.26136
Percentage Composition: C 69.47%; H 11.05%; O 19.48%

>>**Derivative:** 3-*O*-β-D-Galactopyranoside

CAS Registry Number: 157807-76-6
Molecular Formula: $C_{25}H_{46}O_9$
Molecular Weight: 490.633
Accurate Mass: 490.314185
Percentage Composition: C 61.20%; H 9.45%; O 29.35%
Biological Source: Isol. from the alga *Oscillatoria rosea*
Biological Use/Importance: Platelet aggregation inhibitor
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_D^{31}$ +8.6 (c, 0.7 in MeOH)