

PRODUCT INFORMATION

1-Palmitoyl-2-Stearoyl-3-Butyryl-*rac*-glycerol

Item No. 26842

CAS Registry No.: 152914-63-1

Formal Name: octadecanoic acid,
1-[(1-oxobutoxy)methyl]-2-[(1-oxohexadecyl)oxy]ethyl ester

Synonyms: 1-Palmitin-2-Stearin-3-Butyrin,
TG(16:0/18:0/4:0)

MF: $C_{41}H_{78}O_6$

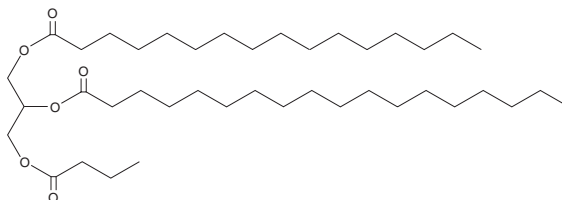
FW: 667.1

Purity: $\geq 98\%$

Supplied as: A solid

Storage: -20°C

Stability: ≥ 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

1-Palmitoyl-2-stearoyl-3-butyryl-*rac*-glycerol is supplied as a solid. A stock solution may be made by dissolving the 1-palmitoyl-2-stearoyl-3-butyryl-*rac*-glycerol in the solvent of choice. 1-Palmitoyl-2-stearoyl-3-butyryl-*rac*-glycerol is slightly soluble in organic solvents such as chloroform and methanol, which should be purged with an inert gas.

Description

1-Palmitoyl-2-stearoyl-3-butyryl-*rac*-glycerol is a triacylglycerol containing palmitic acid (Item No. 10006627), stearic acid (Item No. 10011298), and butyric acid (Item No. 13121) at the *sn*-1, *sn*-2, and *sn*-3 positions, respectively. It has been used to determine the stereospecificity and typoselectivity of lipases.¹

Reference

1. Villeneuve, P., Pina, M., Montet, D., *et al.* Determination of lipase specificities through the use of chiral triglycerides and their racemics. *Chem. Phys. Lipids* **76**(1), 109-113 (1995).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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