



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# PRODUCT INFORMATION



## BSA-Octanoate Saturated Fatty Acid Complex (1 mM)

Item No. 34933

### Overview and Properties

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**Storage:** -20°C (as supplied)  
**Stability:** ≥1 year  
**Supplied in:** 1 mM octanoate : 0.17 mM BSA in 150 mM sodium chloride, pH 7.4

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

### Description

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BSA-Octanoate saturated fatty acid complex is composed of octanoic acid (Item No. 33674) and bovine serum albumin (BSA) at an approximately 6:1 molar ratio of octanoate:BSA. BSA-Octanoate complexes can be used for efficient fatty acid delivery to cells in culture for the purpose of monitoring fatty acid oxidation or similar processes in various cellular metabolic studies.<sup>1,2</sup> The BSA/BSA-FAs are acceptable for use with short-term cell culture applications (acute treatment to 18 hours), however, for long-term applications (25+ hours) the product can/should be filter sterilized using a 0.2 µm filter and sterile receptacle without affecting the performance. For best results, it is recommended that this product be used in conjunction with BSA control for BSA-fatty acid complexes (1 mM) (Item No. 34932).

### References

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1. Tachibana, S., Sato, K., Cho, Y., *et al.* Octanoate reduces very low-density lipoprotein secretion by decreasing the synthesis of apolipoprotein B in primary cultures of chicken hepatocytes. *Biochim. Biophys. Acta* **1737**(1), 36-43 (2005).
2. Guo, W., Xie, W., and Han, J. Modulation of adipocyte lipogenesis by octanoate: Involvement of reactive oxygen species. *Nutr. Metab. (Lond.)* **3**, 30 (2006).

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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CAYMAN CHEMICAL  
1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA  
PHONE: [800] 364-9897  
[734] 971-3335  
FAX: [734] 971-3640  
CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM