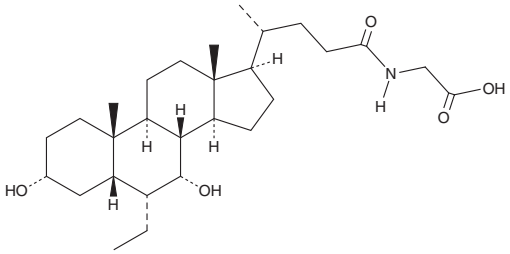
PRODUCT INFORMATION

Glyco-Obeticholic Acid

Item No. 28242

CAS Registry No.:	863239-60-5
Formal Name:	N-[(3α,5β,6α,7α)-6-ethyl-3,7-dihydroxy-24-oxocholan-24-yl]-glycine
Synonym:	Obeticholic Acid Glycine Conjugate
MF:	$C_{28}H_{47}NO_5$
FW:	477.7
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

Glyco-obeticholic acid is supplied as a solid. A stock solution may be made by dissolving the glyco-obeticholic acid in the solvent of choice, which should be purged with an inert gas. Glyco-obeticholic acid is slightly soluble in DMSO and methanol.

Description

Glyco-obeticholic acid is an active metabolite of obeticholic acid (6-ECDCA; Item No. 11031), which is a farnesoid X receptor (FXR) agonist and semisynthetic derivative of chenodeoxycholic acid (Item No. 10011286).[1] Glyco-obeticholic acid is formed from obeticholic acid by glycine conjugation in the liver but can be reconverted back to obeticholic acid by microorganism-mediated deconjugation in the ileum and colon. It has been used as a precursor in the synthesis of bile acid analogs as agonists of the farnesoid X receptor (FXR) and TGR5.[2]

References

1. Markham, A. and Keam, S.J. Obeticholic Acid: First global approval. *Drugs* **76(12),** 1221-1226 (2016).
2. Or, Y.S., Wang, G., Shen, R., *et al.* Bile acid analogs and FXR/TGR5 agonists and methods of use thereof. *Enanta Pharmaceuticals, Inc.* **WO 2016/073767 Al** (2016).

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