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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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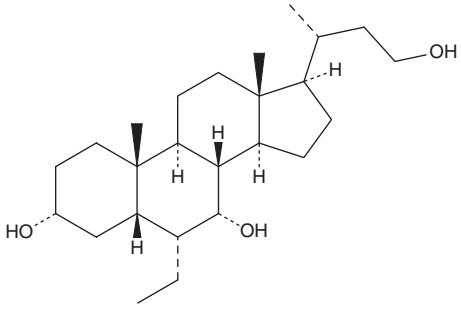
PRODUCT INFORMATION

BAR502

Item No. 22462



CAS Registry No.: 1612191-86-2
Formal Name: (3α,5β,6α,7α)-6-ethyl-24-norcholane-3,7,23-triol
MF: $C_{25}H_{44}O_3$
FW: 392.6
Purity: ≥95%
Supplied as: A crystalline 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

BAR502 is supplied as a crystalline solid. A stock solution may be made by dissolving the BAR502 in the solvent of choice. BAR502 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of BAR502 in these solvents is approximately 2, 0.1, and 20 mg/ml, respectively.

BAR502 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, BAR502 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. BAR502 has a solubility of approximately 0.5 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

BAR502 is a dual agonist of the G protein-coupled bile acid-activated receptor and farnesoid x receptor (GP-BAR1 and FXR; EC_{50}s = 0.2 and 1 µM, respectively).[1] It increases the expression of the FXR-regulated bile salt export pump (BSEP), organic solute transporter α (OSTα), and small heterodimer partner (SHP) in primary hepatocytes isolated from FXR wild-type mice. BAR502 also increases cAMP-luciferase reporter gene expression, a marker of GP-BAR1 activity, in HEK293T cells.

Reference

1. D'Amore, C., Di Leva, F.S., Sepe, V., *et al.* Design, synthesis, and biological evaluation of potent dual agonists of nuclear and membrane bile acid receptors. *J. Med. Chem.* **57(3)**, 937-954 (2014).

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