

**PRODUCT: BAR-501**

**ALTERNATE NAME:** (3R,5S,6S,7S,8S,9S,10S,13R,14S,17R)-6-ethyl-17-((R)-5-hydroxypentan-2-yl)-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthrene-3,7-diol

**CATALOG #:** B1591-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>46</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 406.65

**CAS NUMBER:** 1632118-69-4

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air light

**DESCRIPTION:** BAR-501 is a selective GPBAR1 agonist devoid of any FXR agonistic activity. It effectively transactivates GPBAR1 in HEK293 cells overexpressing a CRE along with GPBAR1, with an EC<sub>50</sub> of 1 μM. Exposure of GLUTAg cells to BAR501 (10 μM) increases the expression of GLP-1 mRNA by 2.5 folds.

**REFERENCES:** Renga, B., *et al.* (2015). *PLoS One*. 2015 Nov 5;10(11):e0141082

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

BAR-501 (**B1591**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**