

## Product Datasheet

### BAR 501 (orb1223256)

<b>Catalog Number</b>	orb1223256
<b>Category</b>	Small Molecules
<b>Description</b>	BAR-501 is a selective GPBAR1 agonist devoid of any FXR agonistic activity. BAR501 effectively reduced hepatic perfusion pressure and counteracted the vasoconstriction activity of norepinephrine. BAR501 rescues from endothelial dysfunction in rodent models of portal hypertension by exerting genomic and non-genomic effects on CSE, eNOS and ET-1 in liver sinusoidal cells.
<b>Target</b>	Monocarboxylate Transporter
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	406.65
<b>Target Areas</b>	GPBAR1
<b>Solubility (25°C)</b>	DMSO : ≥ 50 mg/mL. 122.96 mM
<b>CAS Number</b>	1632118-69-4
<b>Formula</b>	C <sub>26</sub> H <sub>46</sub> O <sub>3</sub>
<b>SMILES</b>	<chem>CC[C@H]1[C@@H]2C[C@@H](CC[C@@]2([C@H]2CC[C@]3([C@H]([C@@H]2[C@H]1O)CC[C@@H]3[C@H](C)CCCO)C)C)O</chem>
<b>Chemical Name</b>	(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
<b>Storage</b>	Storage temperature: -20°C. Stability: ≥ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558