

## Product Datasheet

### BAR502 (orb1220192)

<b>Catalog Number</b>	orb1220192
<b>Category</b>	Small Molecules
<b>Description</b>	<p>BAR502 is a truncated side chain alcohol with both substituents on ring B in <math>\alpha</math>-configuration. At the concentration of 10 <math>\mu</math>M, BAR502 fails to transactivate GR, PPAR<math>\gamma</math>, and LXR, respectively, but it transactivates the nuclear receptor PXR. BAR502 is able to induce the expression of pro-glucagon mRNA in GLUTAg cells, an intestinal endocrine cell line, as well as to increase cAMP concentrations in THP-1 cells. BAR502 induces the expression of OST<math>\alpha</math>, BSEP, and SHP in HepG2 cells. BAR502 shows a very potent activity in the recruitment of SRC-1 coactivator and high affinity to FXR.</p>
<b>Target</b>	GPCR19
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	392.62
<b>Solubility (25°C)</b>	Ethanol : 100 mg/mL (254.70 mM; Need ultrasonic) DMF : 50 mg/mL (127.35 mM; Need ultrasonic)
<b>CAS Number</b>	1612191-86-2
<b>Formula</b>	C??H??O?
<b>SMILES</b>	<chem>C[C@H](CCO)[C@@]1([H])CC[C@@]2([H])[C@]3([H])[C@H](O)[C@H](CC)[C@]4([H])C[C@H](O)CC[C@]4(C)[C@@]3([H])CC[C@@]21C</chem>
<b>Storage</b>	Storage temperature: -20°C. Stability: $\geq$ 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](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

#### Biorbyt LLC

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

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)