

## Product Datasheet

### Deoxycholic acid sodium salt (orb1302113)

<b>Catalog Number</b>	orb1302113
<b>Category</b>	Small Molecules
<b>Description</b>	Sodium deoxycholate is a TGR5 receptor agonist known to stimulate thermogenesis in brown adipose tissue. This makes it a valuable research tool for studying metabolic diseases, energy expenditure, and bile acid signaling in both cellular and animal models.
<b>Target</b>	Endogenous Metabolite, GPCR19
<b>Purity</b>	99.84% (May vary between batches)
<b>MW</b>	414.56
<b>Target Areas</b>	GPCR19 Endogenous Metabolite
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween-80+45% Saline:0.5 mg/mL (1.21 mM);H2O:330 mg/mL (796.02 mM);DMSO:20 mg/mL (48.24 mM)
<b>CAS Number</b>	302-95-4
<b>Formula</b>	C <sub>24</sub> H <sub>39</sub> NaO <sub>4</sub>
<b>SMILES</b>	[Na+].C[C@H](CCC([O-])=O)[C@H]1CCC2C3CC[C@@H]4C[C@H](O)CC[C@]4(C)C3C[C@H](O)[C@]12C
<b>Storage</b>	keep away from direct sunlight   Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<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  
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