

## Product Datasheet

### Salicylamide (orb1224330)

<b>Catalog Number</b>	orb1224330
<b>Category</b>	Small Molecules
<b>Description</b>	<p>Salicylamide is the common name for the substance o-hydroxybenzamide, or amide of salicyl. Salicylamide is a non-prescription drug with analgesic and antipyretic properties. Its medicinal uses are similar to those of aspirin. Salicylamide is used in combination with both aspirin and caffeine in the over-the-counter pain remedies.(In Vitro):Treatment with salicylamides leads to the bacterial growth inhibition which correlates with the level of inhibition of sulfate reduction.(In Vivo):Salicylamide administration decreases the levels of radiosulfate in maternal serum and placenta, and impaires the incorporation of radiosulfate into fetal skeletal GAGs. Salicylamide administration results in a decrease in the calcium content of fetal limb bones, but has no significant effect on maternal serum calcium. Salicylamide administration decreases radiosulfate uptake by maternal serum and liver, fetus and placenta--effects being dose-dependent. Differences in radiosulfate uptake by the fetus and placenta over time, induced by salicylamide, are also significant independently of maternal serum levels of radiosulfate.</p>
<b>Target</b>	COX
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	137.14
<b>Target Areas</b>	COX-1  COX-2
<b>Solubility (25°C)</b>	soluble in Water
<b>CAS Number</b>	65-45-2
<b>Formula</b>	C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>
<b>SMILES</b>	O=C(N)C1=CC=CC=C1O

**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)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](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

<b>Chemical Name</b>	2-Hydroxybenzamide
<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.

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**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)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](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)