

## Product Datasheet

# Xanthine amine congener hydrochloride (orb1687079)

<b>Catalog Number</b>	orb1687079
<b>Category</b>	Small Molecules
<b>Description</b>	Xanthine amine congener (XAC) hydrochloride is a non-selective antagonist of adenosine receptors. It is widely used in neuroscience research to study adenosine signaling, and its administration in mice induces convulsions, making it a tool for investigating seizure mechanisms and receptor function in vivo.
<b>Target</b>	Others, Adenosine Receptor
<b>MW</b>	464.95
<b>CAS Number</b>	1783977-95-6
<b>Formula</b>	C <sub>21</sub> H <sub>29</sub> ClN <sub>6</sub> O <sub>4</sub>
<b>SMILES</b>	Cl.CCCn1c2[nH]c(nc2c(=O)n(CCC)c1=O)-c1ccc(OCC(=O)NCCN)cc1
<b>Storage</b>	-20°C
<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)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)