

## Product Datasheet

### 8-CPT-2'-O-Me-cAMP (orb2646236)

<b>Catalog Number</b>	orb2646236
<b>Category</b>	Small Molecules
<b>Description</b>	This cell-permeable cAMP analog activates Rap1 and promotes junctional protein recruitment and cortical F-actin assembly in retinal pigment epithelial (RPE) cells. It is a valuable research tool for studying cAMP/Rap1 signaling in epithelial barrier function, cell adhesion, and cytoskeletal dynamics in both in vitro and in vivo models.
<b>Target</b>	Ras
<b>MW</b>	485.84
<b>CAS Number</b>	510774-50-2
<b>Formula</b>	C <sub>17</sub> H <sub>17</sub> ClN <sub>5</sub> O <sub>6</sub> PS
<b>SMILES</b>	<chem>S(C=1N(C=2C(N1)=C(N)N=CN2)[C@H]3[C@H](OC)[C@]4([C@](O3)(COP(=O)(O)O4)[H])[H])C5=CC=C(Cl)C=C5</chem>
<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)