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## Product Datasheet

### **DMB-caged-ATP, CAS [[159899-51-1]] BYT-ORB63984**

Artikelname	DMB-caged-ATP, CAS [[159899-51-1]]
Artikelnummer	BYT-ORB63984
Hersteller Artikelnummer	orb63984
Alternativnummer	BYT-ORB63984-5
Hersteller	Biorbyt
Kategorie	Biochemikalien
Produktbeschreibung	DMB-caged-ATP...
Konzentration	10 mM-11 mM
Molekulargewicht	Theoretical MW: 761.46 g/mol (free acid), Detected MW: 761.09 g/mol (free acid)
Reinheit	95% (HPLC)
Formulierung	solution in water, Color: colorless to slightly yellow, pH: 7.5 0.5
CAS Nummer	[159899-51-1]
Formel	C <sub>26</sub> H <sub>30</sub> N <sub>5</sub> O <sub>16</sub> P <sub>3</sub>

Anwendungsbeschreibung

Application Notes: Ligand for purinergic receptors: The nucleotide can be transported extra-or intracellular in a protected form to the target. After activation by well-defined conditions the liberated ATP can interact with P2X-and P2Y-receptors. Interacting subreceptor types and corresponding references are listed in Data sheet orb64059. Agonistic ligand, mainly for nucleoside receptor A1 Nucleoside-triphosphates can be converted by different membrane-bound phosphatases into nucleosides acting as nucleoside receptor ligands. The caged form is protected during uptake and transport in animal experiments and can be well-directed released through activation at the target tissue. Spectroscopic Propertie:  $\lambda_{\text{max}}$  256 nm,  $\epsilon$  25.6 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl, pH 7.5)