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Product Datasheet

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

Article Name	DMB-caged-ATP, CAS [[159899-51-1]]
Biozol Catalog Number	BYT-ORB63984
Supplier Catalog Number	orb63984
Alternative Catalog Number	BYT-ORB63984-5
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	DMB-caged-ATP...
Concentration	10 mM-11 mM
Molecular Weight	Theoretical MW: 761.46 g/mol (free acid), Detected MW: 761.09 g/mol (free acid)
Purity	95% (HPLC)
Form	solution in water, Color: colorless to slightly yellow, pH: 7.5 0.5
CAS Number	[159899-51-1]
Formula	C ₂₆ H ₃₀ N ₅ O ₁₆ P ₃

Application Notes	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: λ_{damax} 256 nm, ϵ 25.6 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)
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