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Product Datasheet

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

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|----------------------------|---|
| 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_{max} 256 nm, ϵ 25.6 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)