

# Biotinylated long chain polyphosphate small molecule (tool compound)

**Catalogue number:** 156398

**Sub-type:**

**Images:**

## Contributor

**Inventor:** James Morrissey

**Institute:** University of Michigan

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Biotinylated long chain polyphosphate small molecule (tool compound)

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The biotinylated long chain polyphosphate is linear polymers of inorganic orthophosphate linked by high-energy phosphoanhydride bonds that has an approximate polymer length ranging from 200-1,300 phosphate units. This polyphosphate has covalently attached biotin to one or both terminal phosphates of the polyphosphate chain. Biotinylated polyphosphate can be immobilized on streptavidin-coated multiwell plates or beads for binding studies. Polyphosphates are secreted from platelets to regulate blood clotting and have been used in plasma clotting assays and to study bacteria growth and function.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**  
**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:**

## Related tools

**Related tools:**

## References

**References:** Wang et al. 2019. J Thromb Haemost. :. PMID: 31420909. ; Zilberman-Rudenko et al. 2018. Arterioscler Thromb Vasc Biol. 38(8):1748-1760. PMID: 30354195. ; Wijeyewickrema et al. 2016. Blood. 128(13):1766-76. PMID: 27338096. ; Choi et al. 2015. Thromb Haemost. 113(3):599-604. PMID: 25338662. ; Puy et al. 2013. J Thromb Haemost. 11(7):1341-52. PMID: 23659638. ; Smith et al. 2012. Blood. 120(26):5103-10. PMID: 22968458. ; Choi et al. 2011. Blood. 118(26):6963-70. PMID: 21976677. ; Smith et al. 2010. Blood. 116(20):4353-9. PMID: 20709905. ; Choi et al. 2010. Biochemistry. 49(45):9935-41. PMID: 20957999.

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