

Biotinylated medium chain polyphosphate small molecule (tool compound)

Catalogue number: 156397

Sub-type:

Images:

Contributor

Inventor: James Morrissey

Institute: University of Michigan

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Biotinylated medium chain polyphosphate small molecule (tool compound)

Alternate name:

Class:

Conjugate:

Description: The biotinylated medium chain polyphosphate is linear polymers of inorganic orthophosphate linked by high-energy phosphoanhydride bonds that has an approximate polymer length ranging from 45-160 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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