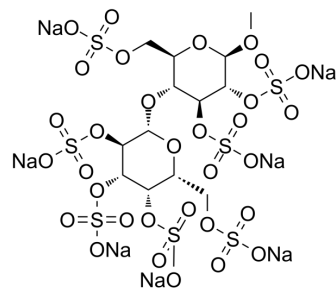


## STC314

Cat. No.:	HY-145996
CAS No.:	186295-19-2
Molecular Formula:	C <sub>13</sub> H <sub>17</sub> Na <sub>7</sub> O <sub>32</sub> S <sub>7</sub>
Molecular Weight:	1070.64
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

STC314 is a small polyanion that interact electrostatically with histones. STC314 blocks disruption of lipid-bilayers by histones that inhibits the cytotoxic, platelet-activating and erythrocyte-damaging effects of histones. STC314 has anti-infective effects and can be used for sepsis research<sup>[1]</sup>.

### REFERENCES

[1]. Connor H O' Meara, et al. Neutralizing the pathological effects of extracellular histones with small polyanions. Nat Commun. 2020 Dec 16;11(1):6408.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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